



VANTAGEO Server

SNMP Interface Description (for BMC V3)

Version: R1.5

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Revision History

Revision No.	Revision Date	Revision Reason
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About This Manual

Purpose

This manual provides a comprehensive introduction to the [SNMP](#) interface of [VANTAGEO](#) servers to help you to learn about how to use the SNMP interface and the SNMP trap information.

This manual is applicable to server model 2230-RE.

Intended Audience

This manual is intended for:

- Data configuration engineers
- Maintenance engineers

What Is in This Manual

This manual contains the following chapters.

Chapter 1, SNMP Overview	Describes the basic principles, parameters, and operations of SNMP.
Chapter 2, SNMP Information Query	Describes the SNMP interface information.
Chapter 3, Query of SNMP Traps Based on Event OIDs	Describes how to query SNMP traps based on event OIDs .
Chapter 4, Query of SNMP Traps Based on Module OIDs	Describes how to query SNMP traps based on module OIDs.

Conventions

This manual uses the following convention.

	Note: provides additional information about a topic.
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Chapter 1

SNMP Overview

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1.1 Introduction

SNMP is used to manage network devices. As a network management protocol widely used in **TCP/IP** networks, SNMP provides unified interfaces to implement unified management of network devices of different types from different manufacturers.

There are three SNMP versions: SNMPv1, SNMPv2c, and SNMPv3.

- SNMPv1 is the initial version of SNMP, providing the minimum network management functions. SNMPv1 uses community names for authentication. This authentication mode provides poor security and returns few error codes in packets.
- SNMPv2c also uses community names for authentication. Based on SNMPv1, it defines two operations: GetBulk and Inform, to support more standard error codes and more data types (Counter64 and Counter32).
- SNMPv3 provides security enhancements: **USM**-based authentication encryption and **VACM**-based access control. SNMPv3 supports the same operations as SNMPv2c.

The **BMC** software supports SNMPv1, SNMPv2c and SNMPv3 as well as trap reporting. It implements SNMP features for managing the mainboard, hard disks, standard cards, memory, power supplies, fans, power, power-on/power-off, and trap reporting.

1.2 Basic Components

NMS

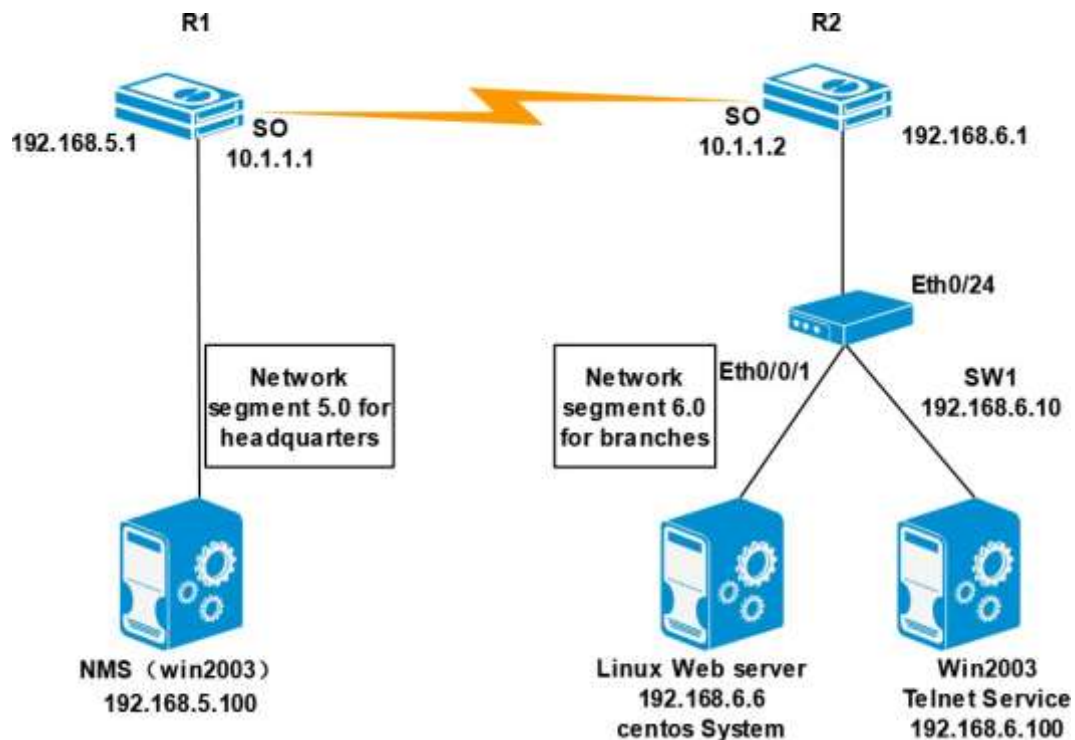
Acting as a manager in the network, the **NMS** manages or monitors network devices through **SNMP** and runs on an NMS server.

- The NMS can send a request to the **SNMP** agent on a device to query or modify the values of one or more **OIDs**.

- The NMS can receive SNMP traps actively sent by the SNMP agent on the device to learn about the current status of the managed device.

Figure 1-1 shows the network topology of the BMC and NMS.

Figure 1-1 Network Topology of the BMC and NMS



SNMP Agent

An SNMP agent is an agent process on a managed device. It maintains the information data of the managed device, responds to the requests from the NMS, and reports the management data to the NMS.

- After receiving a request from the NMS, the SNMP agent performs the corresponding operations through the MIB, and responds to the NMS with the operation results.
- When a fault or another event occurs on the device, the device sends an SNMP trap to the NMS through the SNMP agent, reporting the current status change of the device to the NMS.

The BMC software of VANTAGEO servers provides the SNMP agent service.

MIB

An MIB is a database, which specifies the variables maintained on the managed devices.

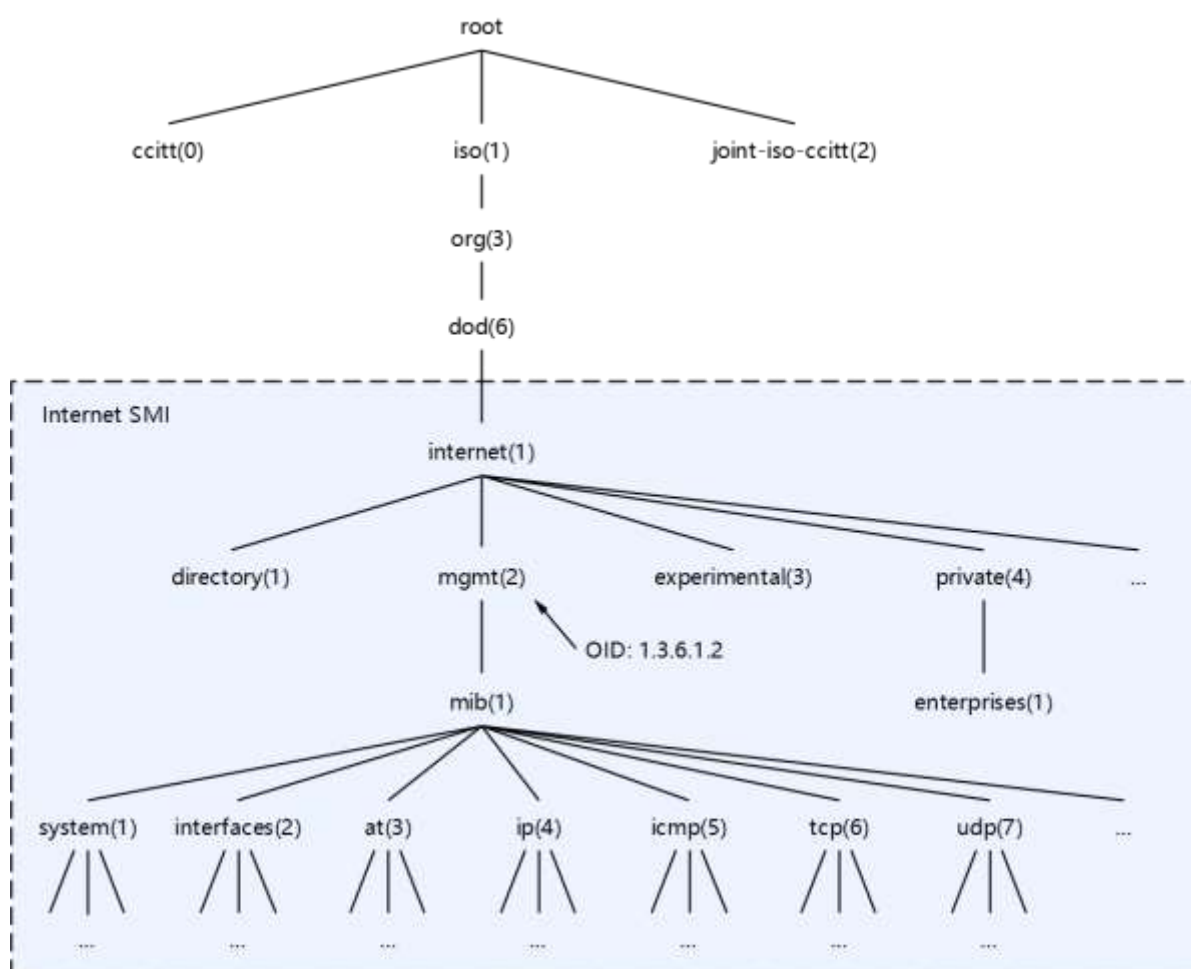
It defines the attributes of the managed devices: object name, object status, access permission of object, and data type of object.

An MIB can also be regarded as an interface between the NMS and SNMP agent. Through this interface, the NMS can query or set the variables maintained on the managed devices.

An MIB stores data in a tree structure, see [Figure 1-2](#). A node of the tree represents a managed object, which can be uniquely identified by a path starting from the root. This path is called an **OID**. For example, the OID of **system** is `1.3.6.1.2.1.1`, and the OID of **interfaces** is `1.3.6.1.2.1.2`.

A subtree can be identified by the OID of the root node of the subtree. If a subtree uses **private** as its root node, the OID of the subtree is the OID of **private**, namely, `{1.3.6.1.4}`.

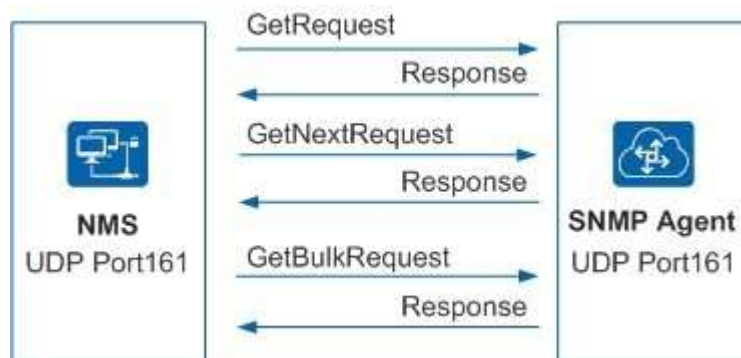
Figure 1-2 OID Tree Structure



1.3 Operation Descriptions

SNMP Query

SNMP query means that the **NMS** actively sends a query request to the SNMP agent, see [Figure 1-3](#).

Figure 1-3 SNMP Query Operations

After receiving the query request, the SNMP agent performs the corresponding operations through the [MIB](#), and returns the results to the NMS.

There are three SNMP query operations: Get, GetNext and GetBulk.

- **Get:** The NMS uses this operation to obtain the values of one or more [OIDs](#) from the SNMP agent.
- **GetNext:** The NMS uses this operation to obtain the value of the next OID from the SNMP agent.
- **GetBulk:** Implemented based on GetNext, it is equivalent to multiple GetNext operations. On the NMS, you can set the number of GetNext operations executed by one GetBulk request.

Note

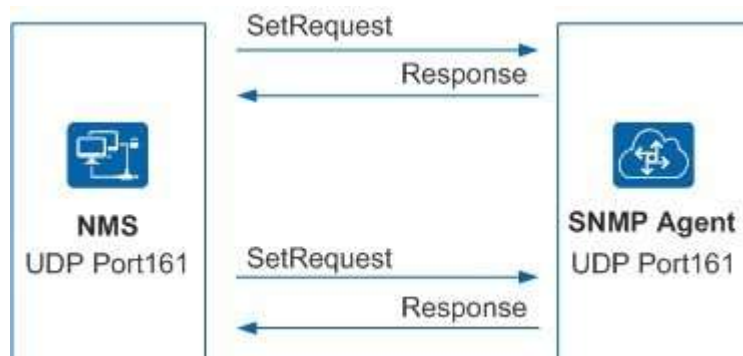
SNMPv1 does not support the GetBulk operation.

SNMP Set

SNMP Set means that the NMS actively sends a Set request to the SNMP agent for performing a Set operation on the device, see [Figure 1-4](#).

After receiving the Set request, the SNMP agent performs the corresponding operations through the MIB, and returns the results to the NMS.

SNMP Set involves only the Set operations. The NMS can set the values of one or more OIDs within the SNMP agent through the Set operation.

Figure 1-4 SNMP Set Operation

SNMP Trap

SNMP Trap means that the SNMP agent actively reports the alarms or events generated by the device to the NMS so that the network administrator can know the current operational status of the device in a timely manner.

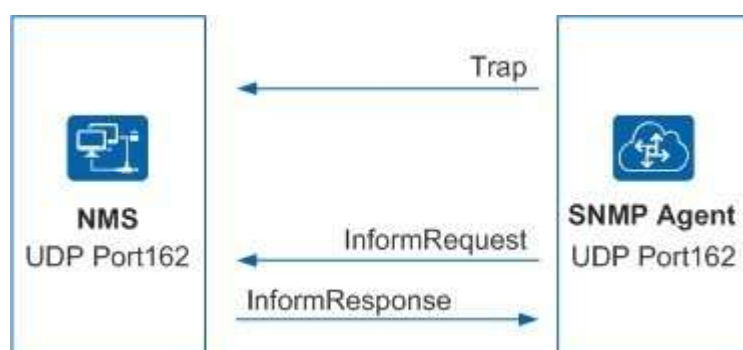
The SNMP agent can report SNMP traps in two ways: Trap message and Inform message.



Note

SNMPv1 does not support Inform.

Trap differs from Inform in that after the SNMP agent sends an alarm or event to the NMS through an Inform message, the NMS needs to return an InformResponse message for acknowledgement, see [Figure 1-5](#).

Figure 1-5 SNMP Trap and Inform Operations

Chapter 2

SNMP Information Query

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2.1 Board Query Operations

2.1.1 FRU Asset Information Table: boardAsset

Parent Node

For a description of the parent node boardAsset, refer to [Table 2-1](#).

Table 2-1 boardAsset—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
boardAsset	Tabular	FRU asset information table	1.3.6.1.4.1.3902.6053.19.1.3.2.1

Child Node

For a description of the child nodes of boardAsset, refer to [Table 2-2](#).

Table 2-2 boardAsset—Child Nodes

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
fruld	FRU ID	1.3.6.1.4.1.3902.6053.19.1.3.2.1.1.1	Yes	Unsigned32

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
pad	Reserved field	1.3.6.1.4.1.3902.6053.19.1.3.2.1.1.2	No	DisplayString
boardProduct	Mainboard, sub-card, or backplane name	1.3.6.1.4.1.3902.6053.19.1.3.2.1.1.3	No	DisplayString
productName	Product model	1.3.6.1.4.1.3902.6053.19.1.3.2.1.1.4	No	DisplayString
productMfg	Manufacturer	1.3.6.1.4.1.3902.6053.19.1.3.2.1.1.5	No	DisplayString
boardSerial	Mainboard, sub-card, or backplane serial number	1.3.6.1.4.1.3902.6053.19.1.3.2.1.1.6	No	DisplayString
productMfgDate	Manufacture date	1.3.6.1.4.1.3902.6053.19.1.3.2.1.1.7	No	DisplayString
fruAlarmStatus	Health status	1.3.6.1.4.1.3902.6053.19.1.3.2.1.1.8	No	Unsigned32
assetTag	Asset tag	1.3.6.1.4.1.3902.6053.19.1.3.2.1.1.9	No	DisplayString
productPartModel	Product ID	1.3.6.1.4.1.3902.6053.19.1.3.2.1.1.10	No	DisplayString
productSerial	Product serial number	1.3.6.1.4.1.3902.6053.19.1.3.2.1.1.11	No	DisplayString
productVersion	Product version number	1.3.6.1.4.1.3902.6053.19.1.3.2.1.1.12	No	DisplayString
boardExtra	Board additional information	1.3.6.1.4.1.3902.6053.19.1.3.2.1.1.13	No	DisplayString

FRU ID: fruld

For a description of this child node, refer to [Table 2-3](#).

Table 2-3 FRU ID: fruld

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.1.1.1	Yes	Unsigned32	Read-only	Value range	0..255

Example:

```
***** SNMP QUERY STARTED *****
1: fruld.0 (gauge) 0
2: fruld.1 (gauge) 1
3: fruld.2 (gauge) 2
4: fruld.10 (gauge) 10
***** SNMP QUERY FINISHED *****
```

Mainboard/Subcard/Backplane Name: boardProduct

For a description of this child node, refer to [Table 2-4](#).

Table 2-4 Mainboard/Subcard/Backplane Name: boardProduct

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.1.1.3	No	DisplayString	Read-only	Space size	0..64

Example:

```
***** SNMP QUERY STARTED *****
1: boardProduct.0 (octet string) SPLMA [53.50.4C.4D.41 (hex)]
2: boardProduct.1 (octet string) SR3A [53.52.33.41 (hex)]
3: boardProduct.2 (octet string) SR3A [53.52.33.41 (hex)]
4: boardProduct.10 (octet string) BR2UM [42.52.32.55.4D (hex)]
***** SNMP QUERY FINISHED *****
```

Product Model: productName

For a description of this child node, refer to [Table 2-5](#).

Table 2-5 Product Model: productName

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.1.1.4	No	DisplayString	Read-only	Space size	0..64

Example:

```
***** SNMP QUERY STARTED *****
1: productName.0 (octet string) 2230-RE [32.32.33.30.2D.52.45 (hex)] 2:
productName.1 (octet string) 2230-RE [32.32.33.30.2D.52.45 (hex)]
3: productName.2 (octet string) (zero-length)
4: productName.10 (octet string) BR2UM [42.52.32.55.4D (hex)]
***** SNMP QUERY FINISHED *****
```

Manufacturer: productMfg

For a description of this child node, refer to [Table 2-6](#).

Table 2-6 Manufacturer: productMfg

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1 9.1.3.2.1.1.5	No	DisplayString	Read-only	Space size	0..64

Example:

```
***** SNMP QUERY STARTED *****
1: productMfg.0 (octet string) VANTAGEO [5A.54.45 (hex)]
2: productMfg.1 (octet string) VANTAGEO [5A.54.45 (hex)]
3: productMfg.2 (octet string) VANTAGEO [5A.54.45 (hex)]
4: productMfg.10 (octet string) VANTAGEO [5A.54.45 (hex)]
***** SNMP QUERY FINISHED *****
```

Mainboard/Subcard/Backplane Serial Number: boardSerial

For a description of this child node, refer to [Table 2-7](#).

Table 2-7 Mainboard/Subcard/Backplane Serial Number: boardSerial

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1 9.1.3.2.1.1.6	No	DisplayString	Read-only	Space size	0..64

Example:

```
***** SNMP QUERY STARTED *****
1: boardSerial.0 (octet string) 723959800111 [37.32.33.39.35.39.38.30.30.31.31.31 (hex)]
2: boardSerial.1 (octet string) 723999900392 [37.32.33.39.39.39.39.30.30.33.39.32 (hex)]
3: boardSerial.2 (octet string) (zero-length)
4: boardSerial.10 (octet string) 724075000096
[37.32.34.30.37.35.30.30.30.30.39.36 (hex)]
```

```
***** SNMP QUERY FINISHED *****
```

Manufacture Date: productMfgDate

For a description of this child node, refer to [Table 2-8](#).

Table 2-8 Manufacture Date: productMfgDate

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.1.1.7	No	DisplayString	Read-only	Space size	0..64

Example:

```
***** SNMP QUERY STARTED *****
1: productMfgDate.0 (octet string) 2021-01-05 17:36:00
[32.30.32.31.2D.30.31.2D.30.35.20.31.37.3A.33.36.3A.30.30 (hex)]
2: productMfgDate.1 (octet string) 2020-09-07 15:50:00
[32.30.32.30.2D.30.39.2D.30.37.20.31.35.3A.35.30.3A.30.30 (hex)]
3: productMfgDate.2 (octet string) 2017-02-27 17:56:00
[32.30.31.37.2D.30.32.2D.32.37.20.31.37.3A.35.36.3A.30.30 (hex)]
4: productMfgDate.10 (octet string) 2020-09-07 15:49:00
[32.30.32.30.2D.30.39.2D.30.37.20.31.35.3A.34.39.3A.30.30 (hex)]
***** SNMP QUERY FINISHED *****
```

Health Status: fruAlarmStatus

For a description of this child node, refer to [Table 2-9](#).

Table 2-9 Health Status: fruAlarmStatus

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.1.1.8	No	Unsigned32	Read-only	Single value	healthy(0) criticalAlarm(1) majorAlarm(2) minorAlarm(3) na(4)

Example:

```
***** SNMP QUERY STARTED *****
1: fruAlarmStatus.0 (gauge) majorAlarm(2)
2: fruAlarmStatus.1 (gauge) healthy(0)
3: fruAlarmStatus.2 (gauge) healthy(0)
4: fruAlarmStatus.10 (gauge) healthy(0)
***** SNMP QUERY FINISHED *****
```

Asset Tag: assetTag

For a description of this child node, refer to [Table 2-10](#).

Table 2-10 Asset Tag: assetTag

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.1.1.9	No	DisplayString	Read-only	Space size	0..64

Example:

```
***** SNMP QUERY STARTED *****
1: assetTag.0 (octet string) woshishui [77.6F.73.68.69.73.68.75.69 (hex)]
2: assetTag.1 (octet string) (zero-length)
3: assetTag.2 (octet string) (zero-length)
4: assetTag.10 (octet string) (zero-length)
***** SNMP QUERY FINISHED *****
```

Product ID: productPartModel

For a description of this child node, refer to [Table 2-11](#).

Table 2-11 Product ID: productPartModel

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.1.1.10	No	DisplayString	Read-only	Space size	0..64

Example:

```
***** SNMP QUERY STARTED *****
1: productPartModel.0 (octet string) 11111111 [31.31.31.31.31.31.31.31 (hex)]
2: productPartModel.1 (octet string) (zero-length)
3: productPartModel.2 (octet string) (zero-length)
4: productPartModel.10 (octet string) (zero-length)
***** SNMP QUERY FINISHED *****
```

Product Serial Number: productSerial

For a description of this child node, refer to [Table 2-12](#).

Table 2-12 Product Serial Number: productSerial

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1 9.1.3.2.1.1.11	No	DisplayString	Read-only	Space size	0..64

Example:

```
***** SNMP QUERY STARTED *****
1: productSerial.0 (octet string) 210099594320
[32.31.30.30.39.39.35.39.34.33.32.30 (hex)]
2: productSerial.1 (octet string) (zero-length)
3: productSerial.2 (octet string) (zero-length)
4: productSerial.10 (octet string) (zero-length)
***** SNMP QUERY FINISHED *****
```

Product Version Number: productVersion

For a description of this child node, refer to [Table 2-13](#).

Table 2-13 Product Version Number: productVersion

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053. 19.1.3.2.1.1.12	No	DisplayString	Read-only	Space size	0..64

Example:

```
***** SNMP QUERY STARTED *****
1: productVersion.0 (octet string) 22222222 [32.32.32.32.32.32.32.32.32 (hex)]
2: productVersion.1 (octet string) (zero-length)
3: productVersion.2 (octet string) (zero-length)
4: productVersion.10 (octet string) (zero-length)
***** SNMP QUERY FINISHED *****
```

Board addition info: boardExtra

For a description of this child node, refer to [Table 2-14](#).

Table 2-14 Board addition info: boardExtra

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1 9.1.3.2.1.1.13	No	DisplayString	Read-only	Space size	0..64

Example:

```
***** SNMP QUERY STARTED *****
1: boardExtra.0 (octet string) N/A [4E.2F.41 (hex)]
2: boardExtra.1 (octet string) N/A [4E.2F.41 (hex)]
3: boardExtra.2 (octet string) N/A [4E.2F.41 (hex)]
4: boardExtra.10 (octet string) N/A [4E.2F.41 (hex)]
5: boardExtra.17 (octet string) N/A [4E.2F.41 (hex)]
***** SNMP QUERY FINISHED *****
```

2.1.2 Server Power Status: boardPower

Parent Node

For a description of the parent node boardPower, refer to [Table 2-15](#).

Table 2-15 boardPower—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
boardPower	Scalar	Server power status	1.3.6.1.4.1.3902.6053.19.1.3.2.2

Child Node

For a description of the child node of boardPower, refer to [Table 2-16](#).

Table 2-16 boardPower—Child Node

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
powerStatus	Power status	1.3.6.1.4.1.3902.6053.19.1.3.2.2.1	No	Unsigned32

Power Status: powerStatus

For a description of this child node, refer to [Table 2-17](#).

Table 2-17 Power Status: powerStatus

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.2.1	No	Unsigned32	Read/Write	Single value	powerOff(0) -- get/set value powerOn(1) -- get/set value coldRestart(2) -- set value. It means power off first, then power on.

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
					restart(3) -- set value. This operation do not power off the device. softShutdown(5) -- set value

Example:

```
***** SNMP QUERY STARTED *****
1: powerStatus.0 (gauge) powerOn(1)
***** SNMP QUERY FINISHED *****
```

2.1.3 Server Boot: bootType

Parent Node

For a description of the parent node bootType, refer to [Table 2-18](#).

Table 2-18 bootType—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
bootType	Scalar	Server boot	1.3.6.1.4.1.3902.6053.19.1.3.2.3

Child Node

For a description of the child nodes of bootType, refer to [Table 2-19](#).

Table 2-19 bootType—Child Nodes

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
bootDevSelector	Boot device	1.3.6.1.4.1.3902.6053.19.1.3.2.3.1	No	Unsigned32
effectType	Boot configuration effect type	1.3.6.1.4.1.3902.6053.19.1.3.2.3.2	No	Unsigned32
bootModel	Boot mode	1.3.6.1.4.1.3902.6053.19.1.3.2.3.3	No	Unsigned32
bootFlagValid	Boot flag validity	1.3.6.1.4.1.3902.6053.19.1.3.2.3.4	No	Unsigned32
bmcBootFlagValidBitClearing	Whether to clear the boot flag BMC within 60 seconds	1.3.6.1.4.1.3902.6053.19.1.3.2.3.5	No	Unsigned32

Boot Device: bootDevSelector

For a description of this child node, refer to [Table 2-20](#).

Table 2-20 Boot Device: bootDevSelector

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.605 3.19.1.3.2.3.1	No	Unsigned32	Read/Write	Single value	noOverride(0) pxeBoot(4) hardDiskBoot(8) remotelyHdd(11) cdRomBoot(20) bIOSBoot(24) uSBBoot(60)

Example:

```
***** SNMP QUERY STARTED *****
1: bootDevSelector.0 (gauge) hardDiskBoot(8)
***** SNMP QUERY FINISHED *****
```

Boot Configuration Effect Type: effectType

For a description of this child node, refer to [Table 2-21](#).

Table 2-21 Boot Configuration Effect Type: effectType

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.390 2.6053.19.1.3.2 .3.2	No	Unsigned32	Read/Write	Single value	once(0) persistent(1)

Example:

```
***** SNMP QUERY STARTED *****
1: effectType.0 (gauge) persistent(1)
***** SNMP QUERY FINISHED *****
```

Boot Mode: bootModel

For a description of this child node, refer to [Table 2-22](#).

Table 2-22 Boot Mode: bootModel

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.390 2.6053.19.1.3.2 .3.3	No	Unsigned32	Read/Write	Single value	legacy(0) uefi(1)

Example:

```
***** SNMP QUERY STARTED *****
1: bootModel.0 (gauge) legacy(0)
***** SNMP QUERY FINISHED *****
```

Boot Flag Validity: bootFlagValid

For a description of this child node, refer to [Table 2-23](#).

Table 2-23 Boot Flag Validity: bootFlagValid

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.390 2.6053.19.1.3.2 .3.4	No	Unsigned32	Read-only	Single value	invalid(0) valid(1)

Example:

```
***** SNMP QUERY STARTED *****
1: bootFlagValid.0 (gauge) valid(1)
***** SNMP QUERY FINISHED *****
```

Whether to Clear the Boot Flag BMC Within 60 Seconds: bmcBootFlagValidBitClearing

For a description of this child node, refer to [Table 2-24](#).

Table 2-24 Whether to Clear the Boot Flag BMC Within 60 Seconds: bmcBootFlagValidBitClearing

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.390 2.6053.19.1.3.2 .3.5	No	Unsigned32	Read/Write	Single value	clear(0) notclear(1)

Example:

```
***** SNMP QUERY STARTED *****
```

```
1: bmcBootFlagValidBitClearing.0 (gauge) clear(0)
***** SNMP QUERY FINISHED *****
```

2.1.4 Server Power-On Status Policy: boardPowerPolicy

Parent Node

For a description of the parent node boardPowerPolicy, refer to [Table 2-25](#).

Table 2-25 boardPowerPolicy—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
boardPowerPolicy	Scalar	Server power-on status policy	1.3.6.1.4.1.3902.6053.19.1.3.2.5

Child Node

For a description of the child node of boardPowerPolicy, refer to [Table 2-26](#).

Table 2-26 boardPowerPolicy—Child Node

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
powerPolicy	Power-on status policy	1.3.6.1.4.1.3902.6053.19.1.3.2.5.1	No	Unsigned32

Power-On Status Policy: powerPolicy

For a description of this child node, refer to [Table 2-27](#).

Table 2-27 Power-On Status Policy: powerPolicy

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.5.1	No	Unsigned32	Read/Write	Single value	keepOff(0) restoreTheStatusBeforePowerOff(1) automaticPowerOn(2)

Example:

```
***** SNMP QUERY STARTED *****
1: powerPolicy.0 (gauge) automaticPowerOn(2)
***** SNMP QUERY FINISHED *****
```

2.1.5 Server BMC Information: boardDeviceid

Parent Node

For a description of the parent node boardDeviceid, refer to [Table 2-28](#).

Table 2-28 boardDeviceid—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
boardDeviceid	Scalar	Server BMC information	1.3.6.1.4.1.3902.6053.19.1.3.2.6

Child Node

For a description of the child nodes of boardDeviceid, refer to [Table 2-29](#).

Table 2-29 boardDeviceid—Child Nodes

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
deviceid	Device ID	1.3.6.1.4.1.3902.6053.19.1.3.2.6.1	No	Unsigned32
devicePad	Reserved field	1.3.6.1.4.1.3902.6053.19.1.3.2.6.2	No	DisplayString
additionalDeviceSupport	Additional device ID	1.3.6.1.4.1.3902.6053.19.1.3.2.6.3	No	Unsigned32
ipmiVersion	IPMI version number	1.3.6.1.4.1.3902.6053.19.1.3.2.6.4	No	DisplayString
firmwareVersion	BMC firmware version number (first two bytes)	1.3.6.1.4.1.3902.6053.19.1.3.2.6.5	No	DisplayString
manufactureid	Manufacturer ID	1.3.6.1.4.1.3902.6053.19.1.3.2.6.6	No	DisplayString
compileTime	Software compilation time	1.3.6.1.4.1.3902.6053.19.1.3.2.6.7	No	DisplayString
productid	Vendor ID	1.3.6.1.4.1.3902.6053.19.1.3.2.6.8	No	DisplayString
deviceRevision	Device revision version number	1.3.6.1.4.1.3902.6053.19.1.3.2.6.9	No	DisplayString

Device ID: deviceid

For a description of this child node, refer to [Table 2-30](#).

Table 2-30 Device ID: deviceId

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.390 2.6053.19.1.3.2 .6.1	No	Unsigned32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: deviceId.0 (gauge) 10
***** SNMP QUERY FINISHED *****
```

Reserved Field: devicePad

For a description of this child node, refer to [Table 2-31](#).

Table 2-31 Reserved Field: devicePad

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.390 2.6053.19.1.3.2 .6.2	No	DisplayString	Read-only	Space size	0..4

Example:

```
***** SNMP QUERY STARTED *****
1: devicePad.0 (octet string) (zero-length)
***** SNMP QUERY FINISHED *****
```

Additional Device ID: additionalDeviceSupport

For a description of this child node, refer to [Table 2-32](#).

Table 2-32 Additional Device ID: additionalDeviceSupport

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.390 2.6053.19.1.3.2 .6.3	No	Unsigned32	Read-only	Single value	enabled(1) disabled(0)

Example:

```
***** SNMP QUERY STARTED *****
1: additionalDeviceSupport.0 (gauge) enabled(1)
***** SNMP QUERY FINISHED *****
```

IPMI Version Number: ipmiVersion

For a description of this child node, refer to [Table 2-33](#).

Table 2-33 IPMI Version Number: ipmiVersion

Child Node OID	Index Flag	Data Type	Access At-tribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.6.4	No	DisplayString	Read-only	Space size	0..8

Example:

```
***** SNMP QUERY STARTED *****
1: ipmiVersion.0 (octet string) 2.0 [32.2E.30 (hex)]
***** SNMP QUERY FINISHED *****
```

BMC Firmware Version Number: firmwareVersion

For a description of this child node, refer to [Table 2-34](#).

Table 2-34 BMC Firmware Version Number: firmwareVersion

Child Node OID	Index Flag	Data Type	Access At-tribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.6.5	No	DisplayString	Read-only	Space size	0..16

Example:

```
***** SNMP QUERY STARTED *****
1: firmwareVersion.0 (octet string) 3.12 [33.2E.31.32 (hex)]
***** SNMP QUERY FINISHED *****
```

Manufacturer ID: manufactureid

For a description of this child node, refer to [Table 2-35](#).

Table 2-35 Manufacturer ID: manufactureid

Child Node OID	Index Flag	Data Type	Access At-tribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.6.6	No	DisplayString	Read-only	Space size	0..16

Example:

```
***** SNMP QUERY STARTED *****
```

```
1: manufactureid.0 (octet string) 0xf3e [30.78.66.33.65 (hex)]
***** SNMP QUERY FINISHED *****
```

Software Compilation Time: compileTime

For a description of this child node, refer to [Table 2-36](#).

Table 2-36 Software Compilation Time: compileTime

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.60 53.19.1.3.2.6.7	No	DisplayString	Read-only	Space size	0..16

Example:

```
***** SNMP QUERY STARTED *****
1: compileTime.0 (octet string) 2020-10-31 [32.30.32.30.2D.31.30.2D.33.31 (hex)]
***** SNMP QUERY FINISHED *****
```

Vendor ID: productid

For a description of this child node, refer to [Table 2-37](#).

Table 2-37 Vendor ID: productid

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053. 19.1.3.2.6.8	No	DisplayString	Read-only	Space size	0..8

Example:

```
***** SNMP QUERY STARTED *****
1: productid.0 (octet string) 0x30c0 [30.78.33.30.63.30 (hex)]
***** SNMP QUERY FINISHED *****
```

Device Revision Version Number: deviceRevision

For a description of this child node, refer to [Table 2-38](#).

Table 2-38 Device Revision Version Number: deviceRevision

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053. 19.1.3.2.6.9	No	DisplayString	Read-only	Space size	0..8

Example:

```
***** SNMP QUERY STARTED *****
1: deviceRevision.0 (octet string) 0 [30 (hex)]
***** SNMP QUERY FINISHED *****
```

2.1.6 Version Information Table: boardVersion

Parent Node

For a description of the parent node boardVersion, refer to [Table 2-39](#).

Table 2-39 boardVersion—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
boardVersion	Tabular	Version information table	1.3.6.1.4.1.3902.6053.19.1.3.2.7

Child Node

For a description of the child nodes of boardVersion, refer to [Table 2-40](#).

Table 2-40 boardVersion—Child Nodes

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
res	Flag to indicate whether the version number is obtainable: ● 0: obtainable ● Non-0: unobtainable.	1.3.6.1.4.1.3902.6053.19.1.3.2.7.1.1	No	Unsigned32
verNum	Version number	1.3.6.1.4.1.3902.6053.19.1.3.2.7.1.2	No	DisplayString
verType	Version type	1.3.6.1.4.1.3902.6053.19.1.3.2.7.1.3	Yes	Unsigned32
verAttu	Attribute to define the board version table If dwVerType is BIOS : ● 0: backup version number ● 1: running version number	1.3.6.1.4.1.3902.6053.19.1.3.2.7.1.4	Yes	Unsigned32

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
	● 0xFFFFFFFF: unburned version number If dwVerType is BMC : ● 0: backup version number ● 1: running version number ● Others: firmware index (1-based) in the same mainboard- or subcard			
locate	● 0: mainboard ● Other values: subcard	1.3.6.1.4.1.3902.6053.19.1.3.2.7.1.5	Yes	Unsigned32
name	Device name	1.3.6.1.4.1.3902.6053.19.1.3.2.7.1.6	No	Unsigned32
auxiliary	Version auxiliary information	1.3.6.1.4.1.3902.6053.19.1.3.2.7.1.7	No	DisplayString

Flag to Indicate Whether the Version Number Is Obtainable: res

For a description of this child node, refer to [Table 2-41](#).

Table 2-41 Flag to Indicate Whether the Version Number is Obtainable: res

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.7.1.1	No	Unsigned32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: res.7.1.0 (gauge) 0
2: res.14.0.0 (gauge) 0
3: res.14.1.0 (gauge) 0
4: res.15.1.0 (gauge) 0
5: res.15.1.5 (gauge) 0
```

```

6: res.15.1.6 (gauge) 0
7: res.15.1.10 (gauge) 0
8: res.20.1.0 (gauge) 0
9: res.26.0.0 (gauge) 0
10: res.26.1.0 (gauge) 0
***** SNMP QUERY FINISHED *****

```

Version Number: verNum

For a description of this child node, refer to [Table 2-42](#).

Table 2-42 Version Number: verNum

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.605 3.19.1.3.2.7.1.2	No	DisplayString	Read-only	Space size	0..20

Example:

```

***** SNMP QUERY STARTED *****
1: verNum.7.1.0 (octet string) 00.00.0101 [30.30.2E.30.30.2E.30.31.30.31 (hex)]
2: verNum.14.0.0 (octet string) 03.17.0201 [30.33.2E.31.37.2E.30.32.30.31 (hex)]
3: verNum.14.1.0 (octet string) 03.17.2220 [30.33.2E.31.37.2E.32.32.32.30 (hex)]
4: verNum.15.1.0 (octet string) 01.03.0002 [30.31.2E.30.33.2E.30.30.30.32 (hex)]
5: verNum.15.1.5 (octet string) 01.03.0001 [30.31.2E.30.33.2E.30.30.30.31 (hex)]
6: verNum.15.1.6 (octet string) 01.03.0001 [30.31.2E.30.33.2E.30.30.30.31 (hex)]
7: verNum.15.1.10 (octet string) 01.03.0001 [30.31.2E.30.33.2E.30.30.30.31 (hex)]
8: verNum.20.1.0 (octet string) 03.00.0100 [30.33.2E.30.30.2E.30.31.30.30 (hex)]
9: verNum.26.0.0 (octet string) 03.04.0100 [30.33.2E.30.34.2E.30.31.30.30 (hex)]
10: verNum.26.1.0 (octet string) 03.04.0201 [30.33.2E.30.34.2E.30.32.30.31 (hex)]
***** SNMP QUERY FINISHED *****

```

Version Type: verType

For a description of this child node, refer to [Table 2-43](#).

Table 2-43 Version Type: verType

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902 .6053.19.1.3.2.7 .13	Yes	Unsigned32	Read-only	Single value	oem(5) epId(7) bootrom(8) bmc(14) fru(15) bmcBoot(20)

Child Node OID	Index Flag	Data Type	Access At-tribute	Data Constraint Type	Constraint Val-ue
					bios(26) vdisk(33) biosCfg(36)

Example:

```
***** SNMP QUERY STARTED *****
1: verType.7.1.0 (gauge) epld(7)
2: verType.14.0.0 (gauge) bmc(14)
3: verType.14.1.0 (gauge) bmc(14)
4: verType.15.1.0 (gauge) fru(15)
5: verType.15.1.5 (gauge) fru(15)
6: verType.15.1.6 (gauge) fru(15)
7: verType.15.1.10 (gauge) fru(15)
8: verType.20.1.0 (gauge) bmcBoot(20)
9: verType.26.0.0 (gauge) bios(26)
10: verType.26.1.0 (gauge) bios(26)
***** SNMP QUERY FINISHED *****
```

Version Attribute of the Board Version Table: verAttu

For a description of this child node, refer to [Table 2-44](#).

Table 2-44 Version Attribute of the Board Version Table: verAttu

Child Node OID	Index Flag	Data Type	Access At-tribute	Data Constraint Type	Constraint Val-ue
1.3.6.1.4.1.3902 .6053.19.1.3.2.7 .1.4	Yes	Unsigned32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: verAttu.7.1.0 (gauge) 1
2: verAttu.14.0.0 (gauge) 0
3: verAttu.14.1.0 (gauge) 1
4: verAttu.15.1.0 (gauge) 1
5: verAttu.15.1.5 (gauge) 1
6: verAttu.15.1.6 (gauge) 1
7: verAttu.15.1.10 (gauge) 1
8: verAttu.20.1.0 (gauge) 1
9: verAttu.26.0.0 (gauge) 0
10: verAttu.26.1.0 (gauge) 1
```

```
***** SNMP QUERY FINISHED *****
```

Location Information: locate

For a description of this child node, refer to [Table 2-45](#).

Table 2-45 Location Information: locate

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.7.1.5	Yes	Unsigned32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: locate.7.1.0 (gauge) 0
2: locate.14.0.0 (gauge) 0
3: locate.14.1.0 (gauge) 0
4: locate.15.1.0 (gauge) 0
5: locate.15.1.5 (gauge) 5
6: locate.15.1.6 (gauge) 6
7: locate.15.1.10 (gauge) 10
8: locate.20.1.0 (gauge) 0
9: locate.26.0.0 (gauge) 0
10: locate.26.1.0 (gauge) 0
***** SNMP QUERY FINISHED *****
```

Device Name: name

For a description of this child node, refer to [Table 2-46](#).

Table 2-46 Device Name: name

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.7.1.6	No	DisplayString	Read-only	Space size	0..16

Example:

```
***** SNMP QUERY STARTED *****
1: name.7.1.0 (octet string) 2230-RE [32.32.33.30.2D.52.45 (hex)]
2: name.14.0.0 (octet string) 2230-RE [32.32.33.30.2D.52.45 (hex)]
3: name.14.1.0 (octet string) 2230-RE [32.32.33.30.2D.52.45 (hex)]
4: name.15.1.0 (octet string) 2230-RE [32.32.33.30.2D.52.45 (hex)]
5: name.15.1.5 (octet string) SBR2P [53.42.52.32.50 (hex)]
```

```

6: name.15.1.6 (octet string) SBR2R [53.42.52.32.52 (hex)]
7: name.15.1.10 (octet string) SBF8U [53.42.46.38.55 (hex)]
8: name.20.1.0 (octet string) 2230-RE [32.32.33.30.2D.52.45 (hex)]
9: name.26.0.0 (octet string) 2230-RE [32.32.33.30.2D.52.45 (hex)]
10: name.26.1.0 (octet string) 2230-RE [32.32.33.30.2D.52.45 (hex)]
***** SNMP QUERY FINISHED *****

```

Auxiliary Version Information: auxiliary

For a description of this child node, refer to [Table 2-47](#).

Table 2-47 Auxiliary Version Information: auxiliary

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.7.1.7	No	DisplayString	Read-only	Space size	0..16

Example:

```

***** SNMP QUERY STARTED *****
1: auxiliary.7.1.0 (octet string) LTC [4C.54.43 (hex)]
2: auxiliary.14.1.0 (octet string) [zero-length]
3: auxiliary.15.1.0 (octet string) [zero-length]
4: auxiliary.15.1.1 (octet string) [zero-length]
5: auxiliary.15.1.2 (octet string) [zero-length]
6: auxiliary.15.1.7 (octet string) [zero-length]
7: auxiliary.15.1.10 (octet string) [zero-length]
8: auxiliary.15.1.14 (octet string) [zero-length]
9: auxiliary.15.1.16 (octet string) [zero-length]
10: auxiliary.26.0.0 (octet string) [zero-length]
11: auxiliary.26.1.0 (octet string) [zero-length]
***** SNMP QUERY FINISHED *****

```

2.1.7 CPU Information Table: boardcpu

Parent Node

For a description of the parent node boardcpu, refer to [Table 2-48](#).

Table 2-48 boardcpu—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
boardcpu	Tabular	CPU information table	1.3.6.1.4.1.3902.6053.19.1.3.2.8

Child Node

For a description of the child nodes of boardcpu, refer to [Table 2-49](#).

Table 2-49 boardcpu—Child Nodes

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
cpuIndex	CPU index	1.3.6.1.4.1.3902.6053.19 .1.3.2.8.1.1	Yes	Unsigned32
cpuType	CPU type	1.3.6.1.4.1.3902.6053.19 .1.3.2.8.1.2	No	DisplayString
cpuFamilyType	CPU family	1.3.6.1.4.1.3902.6053.19 .1.3.2.8.1.3	No	DisplayString
cpuMan	CPU manufacturer	1.3.6.1.4.1.3902.6053.19 .1.3.2.8.1.4	No	DisplayString
cpuTFrequency	CPU frequency (MHz)	1.3.6.1.4.1.3902.6053.19 .1.3.2.8.1.5	No	Unsigned32
cpuMaxSpeed	Maximum CPU speed (MHz)	1.3.6.1.4.1.3902.6053.19 .1.3.2.8.1.6	No	Unsigned32
cpuState	CPU status	1.3.6.1.4.1.3902.6053.19 .1.3.2.8.1.7	No	DisplayString
cpuCoreNum	Number of CPU cores	1.3.6.1.4.1.3902.6053.19 .1.3.2.8.1.8	No	Unsigned32
cpuEnabled-CoreNum	Number of enabled CPU cores	1.3.6.1.4.1.3902.6053.19 .1.3.2.8.1.9	No	Unsigned32
cpuThreadNum	Number of CPU threads	1.3.6.1.4.1.3902.6053.19 .1.3.2.8.1.10	No	Unsigned32
cpuTdp	CPU TDP power (W)	1.3.6.1.4.1.3902.6053.19 .1.3.2.8.1.11	No	Unsigned32
cpuL1Cache	CPU L1 cache (KB)	1.3.6.1.4.1.3902.6053.19 .1.3.2.8.1.12	No	Unsigned32
cpuL2Cache	CPU L2 cache (KB)	1.3.6.1.4.1.3902.6053.19 .1.3.2.8.1.13	No	Unsigned32
cpuL3Cache	CPU L3 cache (KB)	1.3.6.1.4.1.3902.6053.19 .1.3.2.8.1.14	No	Unsigned32
cpuSpeed	CPU speed (MHz)	1.3.6.1.4.1.3902.6053.19 .1.3.2.8.1.15	No	Unsigned32

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
cpuProcessorArch	CPU processor architecture	1.3.6.1.4.1.3902.6053.19.1.3.2.8.1.16	No	DisplayString
cpuSerialNum	CPU serial number	1.3.6.1.4.1.3902.6053.19.1.3.2.8.1.17	No	DisplayString
cpuPartNum	CPU part number	1.3.6.1.4.1.3902.6053.19.1.3.2.8.1.18	No	DisplayString
cpuAlarmStatus	CPU alarm status	1.3.6.1.4.1.3902.6053.19.1.3.2.8.1.19	No	Unsigned32
cpuInstructionSet	CPU instruction set	1.3.6.1.4.1.3902.6053.19.1.3.2.8.1.20	No	DisplayString

CPU Index: cpuIndex

For a description of this child node, refer to [Table 2-50](#).

Table 2-50 CPU Index: cpuIndex

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.8.1.1	Yes	Unsigned32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: cpuIndex.0 (gauge) 0
2: cpuIndex.1 (gauge) 1
***** SNMP QUERY FINISHED *****
```

CPU Type: cpuType

For a description of this child node, refer to [Table 2-51](#).

Table 2-51 CPU Type: cpuType

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.8.1.2	No	DisplayString	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
```

```

1: cpuType.0 (octet string) Central Processor
[43.65.6E.74.72.61.6C.20.50.72.6F.63.65.73.73.6F.72 (hex)]
2: cpuType.1 (octet string) Central Processor
[43.65.6E.74.72.61.6C.20.50.72.6F.63.65.73.73.6F.72 (hex)]
***** SNMP QUERY FINISHED *****

```

CPU Family: cpuFamilyType

For a description of this child node, refer to [Table 2-52](#).

Table 2-52 CPU Family: cpuFamilyType

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.8.1.3	No	DisplayString	Read-only	None	None

Example:

```

***** SNMP QUERY STARTED *****
1: cpuFamilyType.0 (octet string) Intel(R) Xeon(R) Gold 5117M CPU @ 2.00GHz
[49.6E.74.65.6C.28.52.29.20.58.65.6F.6E.28.52.29.20.47.6F.6C.64.20.35.31.31.37.4
D.20.43.50.55.20.40.20.32.2E.30.30.47.48.7A (hex)]
2: cpuFamilyType.1 (octet string) Intel(R) Xeon(R) Gold 5117M CPU @ 2.00GHz
[49.6E.74.65.6C.28.52.29.20.58.65.6F.6E.28.52.29.20.47.6F.6C.64.20.35.31.31.37.4
D.20.43.50.55.20.40.20.32.2E.30.30.47.48.7A (hex)]
***** SNMP QUERY FINISHED *****

```

CPU Manufacturer: cpuMan

For a description of this child node, refer to [Table 2-53](#).

Table 2-53 CPU Manufacturer: cpuMan

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.8.1.4	No	DisplayString	Read-only	None	None

Example:

```

***** SNMP QUERY STARTED *****
1: cpuMan.0 (octet string) Intel(R) Corporation
[49.6E.74.65.6C.28.52.29.20.43.6F.72.70.6F.72.61.74.69.6F.6E (hex)]
2: cpuMan.1 (octet string) Intel(R) Corporation
[49.6E.74.65.6C.28.52.29.20.43.6F.72.70.6F.72.61.74.69.6F.6E (hex)]
***** SNMP QUERY FINISHED *****

```

CPU Frequency: cpuTFrequency

For a description of this child node, refer to [Table 2-54](#).

Table 2-54 CPU Frequency: cpuTFrequency

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.8.1.5	No	Unsigned32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: cpuTFrequency.0 (gauge) 100
2: cpuTFrequency.1 (gauge) 100
***** SNMP QUERY FINISHED *****
```

Maximum CPU Speed: cpuMaxSpeed

For a description of this child node, refer to [Table 2-55](#).

Table 2-55 Maximum CPU Speed: cpuMaxSpeed

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.8.1.6	No	Unsigned32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: cpuMaxSpeed.0 (gauge) 2800
2: cpuMaxSpeed.1 (gauge) 2800
***** SNMP QUERY FINISHED *****
```

CPU Status: cpuState

For a description of this child node, refer to [Table 2-56](#).

Table 2-56 CPU Status: cpuState

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.8.1.7	No	DisplayString	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: cpuState.0 (octet string) Enabled [45.6E.61.62.6C.65.64 (hex)]
2: cpuState.1 (octet string) Enabled [45.6E.61.62.6C.65.64 (hex)]
***** SNMP QUERY FINISHED *****
```

Number of CPU Cores: cpuCoreNum

For a description of this child node, refer to [Table 2-57](#).

Table 2-57 Number of CPU Cores: cpuCoreNum

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1 9.1.3.2.8.1.8	No	Unsigned32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: cpuCoreNum.0 (gauge) 14
2: cpuCoreNum.1 (gauge) 14
***** SNMP QUERY FINISHED *****
```

Number of Enabled CPU Cores: cpuEnabledCoreNum

For a description of this child node, refer to [Table 2-58](#).

Table 2-58 Number of Enabled CPU Cores: cpuEnabledCoreNum

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1 .3.2.8.1.9	No	Unsigned32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: cpuEnabledCoreNum.0 (gauge) 14
2: cpuEnabledCoreNum.1 (gauge) 14
***** SNMP QUERY FINISHED *****
```

Number of CPU Threads: cpuThreadNum

For a description of this child node, refer to [Table 2-59](#).

Table 2-59 Number of CPU Threads: cpuThreadNum

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1 9.1.3.2.8.1.10	No	Unsigned32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: cpuThreadNum.0 (gauge) 28
2: cpuThreadNum.1 (gauge) 28
***** SNMP QUERY FINISHED *****
```

CPU TDP Power: cpuTdp

For a description of this child node, refer to [Table 2-60](#).

Table 2-60 CPU TDP Power: cpuTdp

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1 9.1.3.2.8.1.11	No	Unsigned32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: cpuTdp.0 (gauge) 105
2: cpuTdp.1 (gauge) 105
***** SNMP QUERY FINISHED *****
```

CPU L1 Cache: cpuL1Cache

For a description of this child node, refer to [Table 2-61](#).

Table 2-61 CPU L1 Cache: cpuL1Cache

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19 .1.3.2.8.1.12	No	Unsigned32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: cpuL1Cache.0 (gauge) 896
2: cpuL1Cache.1 (gauge) 896
```

```
***** SNMP QUERY FINISHED *****
```

CPU L2 Cache: cpuL2Cache

For a description of this child node, refer to [Table 2-62](#).

Table 2-62 CPU L2 Cache: cpuL2Cache

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19 .1.3.2.8.1.13	No	Unsigned32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: cpuL2Cache.0 (gauge) 14336
2: cpuL2Cache.1 (gauge) 14336
***** SNMP QUERY FINISHED *****
```

CPU L3 Cache: cpuL3Cache

For a description of this child node, refer to [Table 2-63](#).

Table 2-63 CPU L3 Cache: cpuL3Cache

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19 .1.3.2.8.1.14	No	Unsigned32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: cpuL3Cache.0 (gauge) 19712
2: cpuL3Cache.1 (gauge) 19712
***** SNMP QUERY FINISHED *****
```

CPU Speed: cpuSpeed

For a description of this child node, refer to [Table 2-64](#).

Table 2-64 CPU Speed: cpuSpeed

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19 .1.3.2.8.1.15	No	Unsigned32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: cpuSpeed.0 (gauge) 2000
2: cpuSpeed.1 (gauge) 2000
***** SNMP QUERY FINISHED *****
```

CPU Processor Architecture: **cpuProcessorArch**

For a description of this child node, refer to [Table 2-65](#).

Table 2-65 CPU Processor Architecture: **cpuProcessorArch**

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1 9.1.3.2.8.1.16	No	DisplayString	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: cpuProcessorArch.0 (octet string) x86-64 [78.38.36.2D.36.34 (hex)]
2: cpuProcessorArch.1 (octet string) x86-64 [78.38.36.2D.36.34 (hex)]
***** SNMP QUERY FINISHED *****
```

CPU Serial Number: **cpuSerialNum**

For a description of this child node, refer to [Table 2-66](#).

Table 2-66 CPU Serial Number: **cpuSerialNum**

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1 9.1.3.2.8.1.17	No	DisplayString	Read-only	Space size	0..64

Example:

```
***** SNMP QUERY STARTED *****
1: cpuSerialNum.0 (octet string) B68425650DA7A448
[42.36.38.34.32.35.36.35.30.44.41.37.41.34.34.38 (hex)]
2: cpuSerialNum.1 (octet string) B685EA5283B73D56
[42.36.38.35.45.41.35.32.38.33.42.37.33.44.35.36 (hex)]
***** SNMP QUERY FINISHED *****
```

CPU Part Number: **CPU Part Number**

For a description of this child node, refer to [Table 2-67](#).

Table 2-67 CPU Part Number: CPU Part Number

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053. 19.1.3.2.8.1.18	No	DisplayString	Read-only	Space size	0..12

Example:

```
***** SNMP QUERY STARTED *****
1: cpuPartNum.0 (octet string) na [6E.61 (hex)]
2: cpuPartNum.1 (octet string) na [6E.61 (hex)]
***** SNMP QUERY FINISHED *****
```

CPU Alarm Status: cpuAlarmStatus

For a description of this child node, refer to [Table 2-68](#).

Table 2-68 CPU Alarm Status: cpuAlarmStatus

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053. 19.1.3.2.8.1.19	No	Unsigned32	Read-only	Single value	ok(0) minor(1) major(2) critical(3) unknown(4)

Example:

```
***** SNMP QUERY STARTED *****
1: cpuAlarmStatus.0 (gauge) ok(0)
2: cpuAlarmStatus.1 (gauge) ok(0)
***** SNMP QUERY FINISHED *****
```

CPU InstructionSet : cpuInstructionSet

For a description of this child node, refer to [Table 2-69](#).

Table 2-69 CPU InstructionSet : cpuInstructionSet

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053. 19.1.3.2.8.1.20	No	DisplayString	Read-only	Space size	0..16

Example:

```
***** SNMP QUERY STARTED *****
```

```

1: cpuInstructionSet.1 (octet string) x86-64 [58.38.36.2D.36.34 (hex)]
2: cpuInstructionSet.2 (octet string) x86-64 [58.38.36.2D.36.34 (hex)]
***** SNMP QUERY FINISHED *****

```

2.1.8 Server UID Indicator Status: uidState

Parent Node

For a description of the parent node uidState, refer to [Table 2-70](#).

Table 2-70 uidState—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
uidState	Scalar	Server UID indicator status	1.3.6.1.4.1.3902.6053.19.1.3.2.10

Child Node

For a description of the child node of uidState, refer to [Table 2-71](#).

Table 2-71 uidState—Child Node

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
uidStatus	UID indicator status	1.3.6.1.4.1.3902.6053.19.1.3.2.10.1	No	Unsigned32

UID Indicator Status: uidStatus

For a description of this child node, refer to [Table 2-72](#).

Table 2-72 UID Indicator Status: uidStatus

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.10.1	No	Unsigned32	Read-only	Single value	lightOff(1) lightOn(2) light-BlinkIn1Hz(3)

Example:

```

***** SNMP QUERY STARTED *****
1: uidStatus.0 (gauge) lightOff(1)
***** SNMP QUERY FINISHED *****

```

2.1.9 Setting the Server UID Indicator On: uidOn

Parent Node

For a description of the parent node uidOn, refer to [Table 2-73](#).

Table 2-73 uidOn—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
uidOn	Scalar	Server UID indicator lit on	1.3.6.1.4.1.3902.6053.19.1.3.2.11

Child Node

For a description of the child node , refer to [Table 2-74](#).

Table 2-74 uidOn—Child Node

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
setUidOn	UID indicator lit on	1.3.6.1.4.1.3902.6053.19.1.3.2.11.1	No	Unsigned32

Setting the UID Indicator On: setUidOn

For a description of this child node, refer to [Table 2-75](#).

Table 2-75 Setting the UID Indicator On: setUidOn

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.11.1	No	Unsigned32	Write-only	Single value	lightOn(1)

Example:

None

2.1.10 Setting the Server UID Indicator Off: uidOff

Parent Node

For a description of the parent node uidOff, refer to [Table 2-76](#).

Table 2-76 uidOff—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
uidOff	Scalar	Server UID indicator lit off	1.3.6.1.4.1.3902.6053.19.1.3.2.12

Child Node

For a description of the child node of uidOff, refer to [Table 2-77](#).

Table 2-77 uidOff—Child Node

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
setUidOff	UID indicator lit off	1.3.6.1.4.1.3902.6053.19.1.3.2.11.1	No	Unsigned32

Setting the UID Indicator Off: setUidOff

For a description of this child node, refer to [Table 2-78](#).

Table 2-78 Setting the UID Indicator Off: setUidOff

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.12.1	No	Unsigned32	Write-only	Single value	lightoff(1)

Example:

None

2.1.11 Server Sensor Information Table: boardSensor**Parent Node**

For a description of the parent node boardSensor, refer to [Table 2-79](#).

Table 2-79 boardSensor—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
boardSensor	Tabular	Server boardSensor information	1.3.6.1.4.1.3902.6053.19.1.3.2.14

Child Node

For a description of the child nodes of boardSensor, refer to [Table 2-80](#).

Table 2-80 boardSensor—Child Nodes

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
snrNo	Sensor ID	1.3.6.1.4.1.3902.6053.19.1.3.2.14.1.1	Yes	Unsigned32
fruNo	FRU ID	1.3.6.1.4.1.3902.6053.19.1.3.2.14.1.2	Yes	Unsigned32
snrName	Sensor name	1.3.6.1.4.1.3902.6053.19.1.3.2.14.1.3	No	DisplayString
fruSensorCurrent	Current value of the sensor	1.3.6.1.4.1.3902.6053.19.1.3.2.14.1.4	No	DisplayString
fruSensorUpperCritical	Upper critical threshold of the sensor	1.3.6.1.4.1.3902.6053.19.1.3.2.14.1.4	No	DisplayString
fruSensorUpperNonCritical	Upper minor threshold of the sensor	1.3.6.1.4.1.3902.6053.19.1.3.2.14.1.6	No	DisplayString
fruSensorUpperNonRecoverable	Upper major threshold of the sensor	1.3.6.1.4.1.3902.6053.19.1.3.2.14.1.7	No	DisplayString
fruSensorLowerCritical	Lower critical threshold of the sensor	1.3.6.1.4.1.3902.6053.19.1.3.2.14.1.8	No	DisplayString
fruSensorLowerNonCritical	Lower minor threshold of the sensor	1.3.6.1.4.1.3902.6053.19.1.3.2.14.1.9	No	DisplayString
fruSensorLowerNonRecoverable	Lower major threshold of the sensor	1.3.6.1.4.1.3902.6053.19.1.3.2.14.1.10	No	DisplayString
healthStatus	Sensor health status	1.3.6.1.4.1.3902.6053.19.1.3.2.14.1.11	No	Unsigned32
snrType	Sensor type	1.3.6.1.4.1.3902.6053.19.1.3.2.14.1.12	No	Unsigned32
snrUnit	Sensor unit	1.3.6.1.4.1.3902.6053.19.1.3.2.14.1.13	No	Unsigned32
eventType	Event type	1.3.6.1.4.1.3902.6053.19.1.3.2.14.1.14	No	Unsigned32

Sensor ID: snrNo

For a description of this child node, refer to [Table 2-81](#).

Table 2-81 Sensor ID: snrNo

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1 9.1.3.2.14.1.1	Yes	Unsigned32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: snrNo.1.0 (gauge) 1
2: snrNo.2.0 (gauge) 2
3: snrNo.3.0 (gauge) 3
4: snrNo.4.0 (gauge) 4
5: snrNo.5.0 (gauge) 5
6: snrNo.6.0 (gauge) 6
7: snrNo.7.0 (gauge) 7
8: snrNo.8.0 (gauge) 8
9: snrNo.9.0 (gauge) 9
10: snrNo.10.0 (gauge) 10
***** SNMP QUERY FINISHED *****
```

FRU ID: fruNo

For a description of this child node, refer to [Table 2-82](#).

Table 2-82 FRU ID: fruNo

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1 9.1.3.2.14.1.2	Yes	Unsigned32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: fruNo.1.0 (gauge) 0
2: fruNo.2.0 (gauge) 0
3: fruNo.3.0 (gauge) 0
4: fruNo.4.0 (gauge) 0
5: fruNo.5.0 (gauge) 0
6: fruNo.6.0 (gauge) 0
7: fruNo.7.0 (gauge) 0
8: fruNo.8.0 (gauge) 0
9: fruNo.9.0 (gauge) 0
10: fruNo.10.0 (gauge) 0
***** SNMP QUERY FINISHED *****
```

Sensor Name: snrName

For a description of this child node, refer to [Table 2-83](#).

Table 2-83 Sensor Name: snrName

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.14.1.3	No	DisplayString	Read-only	Space size	0..16

Example:

```
***** SNMP QUERY STARTED *****
1: snrName.1.0 (octet string) CPU1_PVPP_01 [43.50.55.31.5F.50.56.50.50.5F.30.31(hex)]
2: snrName.2.0 (octet string) CPU1_PVPP_02 [43.50.55.31.5F.50.56.50.50.5F.30.32(hex)]
3: snrName.3.0 (octet string) CPU1_VDDQ_01 [43.50.55.31.5F.56.44.44.51.5F.30.31(hex)]
4: snrName.4.0 (octet string) CPU1_VDDQ_02 [43.50.55.31.5F.56.44.44.51.5F.30.32(hex)]
5: snrName.5.0 (octet string) CPU1_PVCCIN [43.50.55.31.5F.50.56.43.43.49.4E(hex)]
6: snrName.6.0 (octet string) CPU1_PVCCIO [43.50.55.31.5F.50.56.43.43.49.4F(hex)]
7: snrName.7.0 (octet string) CPU2_PVPP_01 [43.50.55.32.5F.50.56.50.50.5F.30.31(hex)]
8: snrName.8.0 (octet string) CPU2_PVPP_02 [43.50.55.32.5F.50.56.50.50.5F.30.32(hex)]
9: snrName.9.0 (octet string) CPU2_VDDQ_01 [43.50.55.32.5F.56.44.44.51.5F.30.31(hex)]
10: snrName.10.0 (octet string) CPU2_VDDQ_02 [43.50.55.32.5F.56.44.44.51.5F.30.32(hex)]
***** SNMP QUERY FINISHED *****
```

Current Sensor Value: fruSensorCurrent

For a description of this child node, refer to [Table 2-84](#).

Table 2-84 Current Sensor Value: fruSensorCurrent

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.14.1.4	No	DisplayString	Read-only	Space size	0..128

Example:

```
***** SNMP QUERY STARTED *****
1: fruSensorCurrent.1.0 (octet string) 2.641 [32.2E.36.34.31 (hex)]
2: fruSensorCurrent.2.0 (octet string) 2.641 [32.2E.36.34.31 (hex)]
3: fruSensorCurrent.3.0 (octet string) 1.221 [31.2E.32.32.31 (hex)]
4: fruSensorCurrent.4.0 (octet string) 1.214 [31.2E.32.31.34 (hex)]
5: fruSensorCurrent.5.0 (octet string) 1.805 [31.2E.38.30.35 (hex)]
6: fruSensorCurrent.6.0 (octet string) 1.022 [31.2E.30.32.32 (hex)]
7: fruSensorCurrent.7.0 (octet string) 2.627 [32.2E.36.32.37 (hex)]
```

```

8: fruSensorCurrent.8.0 (octet string) 2.641 [32.2E.36.34.31 (hex)]
9: fruSensorCurrent.9.0 (octet string) 1.228 [31.2E.32.32.38 (hex)]
10: fruSensorCurrent.10.0 (octet string) 1.221 [31.2E.32.32.31 (hex)]
***** SNMP QUERY FINISHED *****

```

Upper Critical Threshold of Sensor: fruSensorUpperCritical

For a description of this child node, refer to [Table 2-85](#).

Table 2-85 Upper Critical Threshold of Sensor: fruSensorUpperCritical

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1 9.1.3.2.14.1.5	No	DisplayString	Read-only	Space size	0..10

Example:

```

***** SNMP QUERY STARTED *****
1: fruSensorUpperCritical.1.0 (octet string) 3.124 [33.2E.31.32.34 (hex)]
2: fruSensorUpperCritical.2.0 (octet string) 3.124 [33.2E.31.32.34 (hex)]
3: fruSensorUpperCritical.3.0 (octet string) 1.441 [31.2E.34.34.31 (hex)]
4: fruSensorUpperCritical.4.0 (octet string) 1.441 [31.2E.34.34.31 (hex)]
5: fruSensorUpperCritical.5.0 (octet string) 2.157 [32.2E.31.35.37 (hex)]
6: fruSensorUpperCritical.6.0 (octet string) 1.200 [31.2E.32.30.30 (hex)]
7: fruSensorUpperCritical.7.0 (octet string) 3.124 [33.2E.31.32.34 (hex)]
8: fruSensorUpperCritical.8.0 (octet string) 3.124 [33.2E.31.32.34 (hex)]
9: fruSensorUpperCritical.9.0 (octet string) 1.441 [31.2E.34.34.31 (hex)]
10: fruSensorUpperCritical.10.0 (octet string) 1.441 [31.2E.34.34.31 (hex)]
***** SNMP QUERY FINISHED *****

```

Upper Minor Threshold of Sensor: fruSensorUpperNonCritical

For a description of this child node, refer to [Table 2-86](#).

Table 2-86 Upper Minor Threshold of Sensor: fruSensorUpperNonCritical

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19 .1.3.2.14.1.6	No	DisplayString	Read-only	Space size	0..10

Example:

```

***** SNMP QUERY STARTED *****
1: fruSensorUpperNonCritical.1.0 (octet string) -- [2D.2D (hex)]
2: fruSensorUpperNonCritical.2.0 (octet string) -- [2D.2D (hex)]
3: fruSensorUpperNonCritical.3.0 (octet string) -- [2D.2D (hex)]

```

```

4: fruSensorUpperNonCritical.4.0 (octet string) -- [2D.2D (hex)]
5: fruSensorUpperNonCritical.5.0 (octet string) -- [2D.2D (hex)]
6: fruSensorUpperNonCritical.6.0 (octet string) -- [2D.2D (hex)]
7: fruSensorUpperNonCritical.7.0 (octet string) -- [2D.2D (hex)]
8: fruSensorUpperNonCritical.8.0 (octet string) -- [2D.2D (hex)]
9: fruSensorUpperNonCritical.9.0 (octet string) -- [2D.2D (hex)]
10: fruSensorUpperNonCritical.10.0 (octet string) -- [2D.2D (hex)]
***** SNMP QUERY FINISHED *****

```

Upper Major Threshold of Sensor: fruSensorUpperNonRecoverable

For a description of this child node, refer to [Table 2-87](#).

Table 2-87 Upper Major Threshold of Sensor: fruSensorUpperNonRecoverable

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.14.1.7	No	DisplayString	Read-only	Space size	0..10

Example:

```

***** SNMP QUERY STARTED *****
1: fruSensorUpperNonRecoverable.1.0 (octet string) -- [2D.2D (hex)]
2: fruSensorUpperNonRecoverable.2.0 (octet string) -- [2D.2D (hex)]
3: fruSensorUpperNonRecoverable.3.0 (octet string) -- [2D.2D (hex)]
4: fruSensorUpperNonRecoverable.4.0 (octet string) -- [2D.2D (hex)]
5: fruSensorUpperNonRecoverable.5.0 (octet string) -- [2D.2D (hex)]
6: fruSensorUpperNonRecoverable.6.0 (octet string) -- [2D.2D (hex)]
7: fruSensorUpperNonRecoverable.7.0 (octet string) -- [2D.2D (hex)]
8: fruSensorUpperNonRecoverable.8.0 (octet string) -- [2D.2D (hex)]
9: fruSensorUpperNonRecoverable.9.0 (octet string) -- [2D.2D (hex)]
10: fruSensorUpperNonRecoverable.10.0 (octet string) -- [2D.2D (hex)]
***** SNMP QUERY FINISHED *****

```

Lower Critical Threshold of Sensor: fruSensorLowerCritical

For a description of this child node, refer to [Table 2-88](#).

Table 2-88 Lower Critical Threshold of Sensor: fruSensorLowerCritical

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.14.1.8	No	DisplayString	Read-only	Space size	0..10

Example:

***** SNMP QUERY STARTED *****

```
1: fruSensorLowerCritical.1.0 (octet string) 2.073 [32.2E.30.37.33 (hex)]
2: fruSensorLowerCritical.2.0 (octet string) 2.073 [32.2E.30.37.33 (hex)]
3: fruSensorLowerCritical.3.0 (octet string) 0.959 [30.2E.39.35.39 (hex)]
4: fruSensorLowerCritical.4.0 (octet string) 0.959 [30.2E.39.35.39 (hex)]
5: fruSensorLowerCritical.5.0 (octet string) 1.359 [31.2E.33.35.39 (hex)]
6: fruSensorLowerCritical.6.0 (octet string) 0.802 [30.2E.38.30.32 (hex)]
7: fruSensorLowerCritical.7.0 (octet string) 2.073 [32.2E.30.37.33 (hex)]
8: fruSensorLowerCritical.8.0 (octet string) 2.073 [32.2E.30.37.33 (hex)]
9: fruSensorLowerCritical.9.0 (octet string) 0.959 [30.2E.39.35.39 (hex)]
10: fruSensorLowerCritical.10.0 (octet string) 0.959 [30.2E.39.35.39 (hex)]
```

***** SNMP QUERY FINISHED *****

Lower Minor Threshold of Sensor: fruSensorLowerNonCritical

For a description of this child node, refer to [Table 2-89](#).

Table 2-89 Lower Minor Threshold of Sensor: fruSensorLowerNonCritical

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19 .1.3.2.14.1.9	No	DisplayString	Read-only	Space size	0..10

Example:

***** SNMP QUERY STARTED *****

```
1: fruSensorLowerNonCritical.1.0 (octet string) -- [2D.2D (hex)]
2: fruSensorLowerNonCritical.2.0 (octet string) -- [2D.2D (hex)]
3: fruSensorLowerNonCritical.3.0 (octet string) -- [2D.2D (hex)]
4: fruSensorLowerNonCritical.4.0 (octet string) -- [2D.2D (hex)]
5: fruSensorLowerNonCritical.5.0 (octet string) -- [2D.2D (hex)]
6: fruSensorLowerNonCritical.6.0 (octet string) -- [2D.2D (hex)]
7: fruSensorLowerNonCritical.7.0 (octet string) -- [2D.2D (hex)]
8: fruSensorLowerNonCritical.8.0 (octet string) -- [2D.2D (hex)]
9: fruSensorLowerNonCritical.9.0 (octet string) -- [2D.2D (hex)]
10: fruSensorLowerNonCritical.10.0 (octet string) -- [2D.2D (hex)]
```

***** SNMP QUERY FINISHED *****

Lower Major Threshold of Sensor: fruSensorLowerNonRecoverable

For a description of this child node, refer to [Table 2-90](#).

Table 2-90 Lower Major Threshold of Sensor: fruSensorLowerNonRecoverable

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.14.1.10	No	DisplayString	Read-only	Space size	0..10

Example:

```
***** SNMP QUERY STARTED *****
1: fruSensorLowerNonRecoverable.1.0 (octet string) -- [2D.2D (hex)]
2: fruSensorLowerNonRecoverable.2.0 (octet string) -- [2D.2D (hex)]
3: fruSensorLowerNonRecoverable.3.0 (octet string) -- [2D.2D (hex)]
4: fruSensorLowerNonRecoverable.4.0 (octet string) -- [2D.2D (hex)]
5: fruSensorLowerNonRecoverable.5.0 (octet string) -- [2D.2D (hex)]
6: fruSensorLowerNonRecoverable.6.0 (octet string) -- [2D.2D (hex)]
7: fruSensorLowerNonRecoverable.7.0 (octet string) -- [2D.2D (hex)]
8: fruSensorLowerNonRecoverable.8.0 (octet string) -- [2D.2D (hex)]
9: fruSensorLowerNonRecoverable.9.0 (octet string) -- [2D.2D (hex)]
10: fruSensorLowerNonRecoverable.10.0 (octet string) -- [2D.2D (hex)]
***** SNMP QUERY FINISHED *****
```

Sensor Health Status: healthStatus

For a description of this child node, refer to [Table 2-91](#).

Table 2-91 Sensor Health Status: healthStatus

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.14.1.11	No	Unsigned32	Read-only	Single value	healthy(0) minorAlarm(1) majorAlarm(2) criticalAlarm(3) na(4)

Example:

```
***** SNMP QUERY STARTED *****
1: healthStatus.1.0 (gauge) healthy(0)
2: healthStatus.2.0 (gauge) healthy(0)
3: healthStatus.3.0 (gauge) healthy(0)
4: healthStatus.4.0 (gauge) healthy(0)
5: healthStatus.5.0 (gauge) healthy(0)
6: healthStatus.6.0 (gauge) healthy(0)
7: healthStatus.7.0 (gauge) healthy(0)
8: healthStatus.8.0 (gauge) healthy(0)
```

```

9: healthStatus.9.0 (gauge) healthy(0)
10: healthStatus.10.0 (gauge) healthy(0)
***** SNMP QUERY FINISHED *****

```

Sensor Type: snrType

For a description of this child node, refer to [Table 2-92](#).

Table 2-92 Sensor Type: snrType

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053. 19.1.3.2.14.1.12	No	Unsigned32	Read-only	Single value	temperature(1) voltage(2) current(3) fan(4) physicalSecurity(5) platSecurityViolationAttempt(6) processor(7) powerSupply(8) powerUnit(9) coolingDevice(10) otherUnitsBasedSensor(11) memory(12) driverSlot(13) postMemoryResize(14) systemFirmwareProgress(15) eventLoggingDisabled(16) watchdog1(17) systemEvent(18) criticalInterrupt(19) buttonSwitch(20) moduleBoard(21) microcontrollerCoprorocessor(22) subCard(23) chassis(24) chipSet(25) otherFru(26) cableInterconnect(27) terminator(28) systemBootInitiated(29)

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
					bootError(30) osBoot(31) osCriticalStop(32) slotConnector(33) systemAcpiPowerState(34) watchdog2(35) platformAlert(36) entityPresence(37) monitorAsicIc(38) lan(39) managementSubsystemHealth(40) battery(41) sessionAudit(42) versionChange(43) fruState(44) smiTimeout(192) selfTest(193) hostEvent(194) biosStartup(195) sensorSelfEvent(196) pemVoltageFalling(197) boardPoweronFailure(198) hotSwapState(240) ipmbLinkStatus(241)

Example:

```

***** SNMP QUERY STARTED *****
1: snrType.1.0 (gauge) voltage(2)
2: snrType.2.0 (gauge) voltage(2)
3: snrType.3.0 (gauge) voltage(2)
4: snrType.4.0 (gauge) voltage(2)
5: snrType.5.0 (gauge) voltage(2)
6: snrType.6.0 (gauge) voltage(2)
7: snrType.7.0 (gauge) voltage(2)
8: snrType.8.0 (gauge) voltage(2)
9: snrType.9.0 (gauge) voltage(2)
10: snrType.10.0 (gauge) voltage(2)
***** SNMP QUERY FINISHED *****

```

Sensor Unit: snrUnit

For a description of this child node, refer to [Table 2-93](#).

Table 2-93 Sensor Unit: snrUnit

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053 .19.1.3.2.11.13	No	Unsigned32	Read-only	Single value	unspecified(0) degreesC(1) degreesF(2) degreesK(3) volts(4) amps(5) watts(6) joules(7) coulombs(8) va(9) nits(10) lumen(11) lux(12) candela(13) kPa(14) psi(15) newton(16) cfm(17) rpm(18) hz(19) microsecond(20) millisecond(21) second(22) minute(23) hour(24) day(25) week(26) mil(27) inches(28) feet(29) cuIn(30) cuFeet(31) mm(32) cm(33) m(34) cuCm(35) cuM(36)

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
					liters(37) fluidOunce(38) radians(39) steradians(40) revolutions(41) cycles(42) gravities(43) ounce(44) pound(45) ftlb(46) ozln(47) gauss(48) gilberts(49) henry(50) millihenry(51) farad(52) microfarad(53) ohms(54) siemens(55) mole(56) becquerel(57) ppm(58) reserved(59) decibels(60) dbA(61) dbC(62) gray(63) sievert(64) colortempdegK(65) bit(66) kilobit(67) megabit(68) gigabit(69) byte(70) kilobyte(71) megabyte(72) gigabyte(73) word(74) dword(75) qword(76) line(77) hit(78)

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
					miss(79) retry(80) reset(81) overrunOverflow(82) underrun(83) collision(84) packets(85) messages(86) characters(87) error(88) correctableError(89) uncorrectableError(90)

Example:

```
***** SNMP QUERY STARTED *****
1: snrUnit.1.0 (gauge) volts(4)
2: snrUnit.2.0 (gauge) volts(4)
3: snrUnit.3.0 (gauge) volts(4)
4: snrUnit.4.0 (gauge) volts(4)
5: snrUnit.5.0 (gauge) volts(4)
6: snrUnit.6.0 (gauge) volts(4)
7: snrUnit.7.0 (gauge) volts(4)
8: snrUnit.8.0 (gauge) volts(4)
9: snrUnit.9.0 (gauge) volts(4)
10: snrUnit.10.0 (gauge) volts(4)
***** SNMP QUERY FINISHED *****
```

Event Type: eventType

For a description of this child node, refer to [Table 2-94](#).

Table 2-94 Event Type: eventType

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.605 3.19.1.3.2.14.1.14	No	Unsigned32	Read-only	Single value	unspecified(0) threshold(1) genericDiscrete1(2) genericDiscrete2(3) genericDiscrete3(4) genericDiscrete4(5) genericDiscrete5(6)

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
					genericDiscrete6(7) genericDiscrete7(8) genericDiscrete8(9) genericDiscrete9(10) genericDiscrete10(11) genericDiscrete11(12) sensorSpecific(111) oem1(112) oem2(113) oem3(114) oem4(115) oem5(116) oem6(117) oem7(118) oem8(119) oem9(120) oem10(121) oem11(122) oem12(123) oem13(124) oem14(125) oem15(126) oem16(127)

Example:

```

***** SNMP QUERY STARTED *****
1: eventType.1.0 (gauge) threshold(1)
2: eventType.2.0 (gauge) threshold(1)
3: eventType.3.0 (gauge) threshold(1)
4: eventType.4.0 (gauge) threshold(1)
5: eventType.5.0 (gauge) threshold(1)
6: eventType.6.0 (gauge) threshold(1)
7: eventType.7.0 (gauge) threshold(1)
8: eventType.8.0 (gauge) threshold(1)
9: eventType.9.0 (gauge) threshold(1)
10: eventType.10.0 (gauge) threshold(1)
***** SNMP QUERY FINISHED *****

```

2.1.12 Server Power Supply Presence Information: pemPresent

Parent Node

For a description of the parent node pemPresent, refer to [Table 2-95](#).

Table 2-95 pemPresent—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
pemPresent	Scalar	Information about server power supply presence	1.3.6.1.4.1.3902.6053.19.1.3.2.16

Child Node

For a description of the child nodes of pemPresent, refer to [Table 2-96](#).

Table 2-96 pemPresent—Child Nodes

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
pem1Present	Power supply 1 presence status	1.3.6.1.4.1.3902.6053.19.1.3.2.16.1	No	Unsigned32
pem2Present	Power supply 2 presence status	1.3.6.1.4.1.3902.6053.19.1.3.2.16.2	No	Unsigned32
pem3Present	Power supply 3 presence status	1.3.6.1.4.1.3902.6053.19.1.3.2.16.3	No	Unsigned32
pem4Present	Power supply 4 presence status	1.3.6.1.4.1.3902.6053.19.1.3.2.16.4	No	Unsigned32

Power Supply 1 Presence Status: pem1Present

For a description of this child node, refer to [Table 2-97](#).

Table 2-97 Power Supply 1 Presence Status: pem1Present

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.16.1	No	Unsigned32	Read-only	Single value	absent(0) presence(1)

Example:

```
***** SNMP QUERY STARTED *****
1: pem1Present.0 (gauge) presence(1)
***** SNMP QUERY FINISHED *****
```

Power Supply 2 Presence Status: pem2Present

For a description of this child node, refer to [Table 2-98](#).

Table 2-98 Power Supply 2 Presence Status: pem2Present

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.605 3.19.1.3.2.16.2	No	Unsigned32	Read-only	Single value	absent(0) presence(1)

Example:

```
***** SNMP QUERY STARTED *****
1: pem2Present.0 (gauge) presence(1)
***** SNMP QUERY FINISHED *****
```

Power Supply 3 Presence Status: pem3Present

For a description of this child node, refer to [Table 2-99](#).

Table 2-99 Power Supply 3 Presence Status: pem3Present

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.605 3.19.1.3.2.16.3	No	Unsigned32	Read-only	Single value	absent(0) presence(1)

Example:

```
***** SNMP QUERY STARTED *****
1: pem3Present.0 (gauge) absent(0)
***** SNMP QUERY FINISHED *****
```

Power Supply 4 Presence Status: pem4Present

For a description of this child node, refer to [Table 2-100](#).

Table 2-100 Power Supply 4 Presence Status: pem4Present

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.605 3.19.1.3.2.16.4	No	Unsigned32	Read-only	Single value	absent(0) presence(1)

Example:

```
***** SNMP QUERY STARTED *****
1: pem4Present.0 (gauge) absent(0)
```

```
***** SNMP QUERY FINISHED *****
```

2.1.13 Server Power Limit: boardPowerLimit

Parent Node

For a description of the parent node boardPowerLimit, refer to [Table 2-101](#).

Table 2-101 boardPowerLimit—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
boardPowerLimit	Scalar	Server power limit	1.3.6.1.4.1.3902.6053.19.1.3.2.18

Child Node

For a description of the child nodes of boardPowerLimit, refer to [Table 2-102](#).

Table 2-102 boardPowerLimit—Child Nodes

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
powerLimitEnable	Power limit enabling flag	1.3.6.1.4.1.3902.6053.19.1.3.2.18.1	No	Unsigned32
powerLimitValue	Power limit value	1.3.6.1.4.1.3902.6053.19.1.3.2.18.2	No	Unsigned32

Power Limit Enabling Flag: powerLimitEnable

For a description of this child node, refer to [Table 2-103](#).

Table 2-103 Power Limit Enabling Flag: powerLimitEnable

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.18.1	No	Unsigned32	Read/Write	Single value	disabled(0) enabled(1)

Example:

```
***** SNMP QUERY STARTED *****
1: powerLimitEnable.0 (gauge) disabled(0)
***** SNMP QUERY FINISHED *****
```

Power Limit Value: powerLimitValue

For a description of this child node, refer to [Table 2-104](#).

Table 2-104 Power Limit Value: powerLimitValue

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.18.2	No	Unsigned32	Read/Write	Value range	1..32767

Example:

```
***** SNMP QUERY STARTED *****
1: powerLimitValue.0 (gauge) 500
***** SNMP QUERY FINISHED *****
```

2.1.14 BMC Reset: boardReset

Parent Node

For a description of the parent node boardReset, refer to [Table 2-105](#).

Table 2-105 boardReset—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
boardreset	Scalar	BMC reset	1.3.6.1.4.1.3902.6053.19.1.3.2.19

Child Node

For a description of the child node, refer to [Table 2-106](#).

Table 2-106 boardReset—Child Node

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
opr	Reset BMC.	1.3.6.1.4.1.3902.6053.19.1.3.2.19.1	No	Unsigned32

BMC Reset: opr

For a description of this child node, refer to [Table 2-107](#).

Table 2-107 BMC Reset: opr

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.19.1	No	Unsigned32	Write-only	Single value	restart(1)

Example:

```
***** SNMP QUERY STARTED *****
***** SNMP QUERY FINISHED *****
```

2.1.15 Current Server Power: boardPowerValue

Parent Node

For a description of the parent node boardPowerValue, refer to [Table 2-108](#).

Table 2-108 boardPowerValue—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
boardPowerValue	Scalar	Current power of the server	1.3.6.1.4.1.3902.6053.19.1.3.2.20

Child Node

For a description of the child node of boardPowerValue, refer to [Table 2-109](#).

Table 2-109 boardPowerValue—Child Node

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
powerValue	Current power value	1.3.6.1.4.1.3902.6053.19.1.3.2.20.1	No	Unsigned32

Current Power Value: powerValue

For a description of this child node, refer to [Table 2-110](#).

Table 2-110 Current Power Value: powerValue

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.20.1	No	Unsigned32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: powerValue.0 (gauge) 283
***** SNMP QUERY FINISHED *****
```

2.1.16 Server Fan Information: boardFan

Parent Node

For a description of the parent node boardFan, refer to [Table 2-111](#).

Table 2-111 boardFan—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
boardFan	Tabular	Server fan information	1.3.6.1.4.1.3902.6053.19.1.3.2.21

Child Node

For a description of the child nodes of boardFan, refer to [Table 2-112](#).

Table 2-112 boardFan—Child Nodes

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type	Access Attribute
fanIndex	Fan index	1.3.6.1.4.1.3902.6053.19.1.3.2.21.1.1	Yes	Unsigned32	Read-only
fanOnline	Fan presence status	1.3.6.1.4.1.3902.6053.19.1.3.2.21.1.2	No	Unsigned32	Read-only
fanSpeed	Fan speed (RPM)	1.3.6.1.4.1.3902.6053.19.1.3.2.21.1.3	No	Unsigned32	Read-only
fanPwmRatio	Fan speed ratio (%)	1.3.6.1.4.1.3902.6053.19.1.3.2.21.1.4	No	Unsigned32	Read-only
fanMinRpm	Minimum fan speed (RPM)	1.3.6.1.4.1.3902.6053.19.1.3.2.21.1.5	No	Unsigned32	Read-only
fanMaxRpm	Maximum fan speed (RPM)	1.3.6.1.4.1.3902.6053.19.1.3.2.21.1.6	No	Unsigned32	Read-only
fanHealthSt	Fan health status	1.3.6.1.4.1.3902.6053.19.1.3.2.21.1.7	No	Unsigned32	Read-only
fanSeriNum	Fan serial number	1.3.6.1.4.1.3902.6053.19.1.3.2.21.1.8	No	DisplayString	Read-only
fanPartNum	Fan part number	1.3.6.1.4.1.3902.6053.19.1.3.2.21.1.9	No	DisplayString	Read-only
fanIdentify	Fan silk screen	1.3.6.1.4.1.3902.6053.19.1.3.2.21.1.10	No	DisplayString	readonly
fanAlarmStatus	Fan alarm status	1.3.6.1.4.1.3902.6053.19.1.3.2.21.1.11	No	Unsigned32	readonly

Fan Index: fanIndex

For a description of this child node, refer to [Table 2-113](#).

Table 2-113 Fan Index: fanIndex

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.21.1.1	Yes	Unsigned32	Read-only	Value range	1..255

Example:

```
***** SNMP QUERY STARTED *****
1: fanIndex.1 (gauge) 1
2: fanIndex.2 (gauge) 2
3: fanIndex.3 (gauge) 3
4: fanIndex.4 (gauge) 4
5: fanIndex.5 (gauge) 5
6: fanIndex.6 (gauge) 6
***** SNMP QUERY FINISHED *****
```

Fan Presence Status: fanOnline

For a description of this child node, refer to [Table 2-114](#).

Table 2-114 Fan Presence Status: fanOnline

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.21.1.2	No	Unsigned32	Read-only	Single value	absent(0) present(1) na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: fanOnline.1 (gauge) present(1)
2: fanOnline.2 (gauge) present(1)
3: fanOnline.3 (gauge) present(1)
4: fanOnline.4 (gauge) present(1)
5: fanOnline.5 (gauge) present(1)
6: fanOnline.6 (gauge) present(1)
***** SNMP QUERY FINISHED *****
```

FAN Speed: fanSpeed

For a description of this child node, refer to [Table 2-115](#).

Table 2-115 FAN Speed: fanSpeed

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.21.1.3	No	Unsigned32	Read-only	Single value	na(4294967295)

Example:

```
***** SNMP QUERY STARTED *****
1: fanSpeed.1 (gauge) 7420
2: fanSpeed.2 (gauge) 7370
3: fanSpeed.3 (gauge) 7394
4: fanSpeed.4 (gauge) 7478
5: fanSpeed.5 (gauge) 7480
6: fanSpeed.6 (gauge) 7426
***** SNMP QUERY FINISHED *****
```

Fan Speed Ratio: fanPwmRatio

For a description of this child node, refer to [Table 2-116](#).

Table 2-116 Fan Speed Ratio: fanPwmRatio

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.21.1.4	No	Unsigned32	Read-only	Single value	na(0)

Example:

```
***** SNMP QUERY STARTED *****
1: fanPwmRatio.1 (gauge) 75
2: fanPwmRatio.2 (gauge) 75
3: fanPwmRatio.3 (gauge) 75
4: fanPwmRatio.4 (gauge) 75
5: fanPwmRatio.5 (gauge) 75
6: fanPwmRatio.6 (gauge) 75
***** SNMP QUERY FINISHED *****
```

Minimum Fan Speed: fanMinRpm

For a description of this child node, refer to [Table 2-117](#).

Table 2-117 Minimum Fan Speed: fanMinRpm

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.21.1.5	No	Unsigned32	Read-only	Single value	na(0)

Example:

```
***** SNMP QUERY STARTED *****
1: fanMinRpm.1 (gauge) 500
2: fanMinRpm.2 (gauge) 500
3: fanMinRpm.3 (gauge) 500
4: fanMinRpm.4 (gauge) 500
5: fanMinRpm.5 (gauge) 500
6: fanMinRpm.6 (gauge) 500
***** SNMP QUERY FINISHED *****
```

Maximum Fan Speed: fanMaxRpm

For a description of this child node, refer to [Table 2-118](#).

Table 2-118 Maximum Fan Speed: fanMaxRpm

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.21.1.6	No	Unsigned32	Read-only	Single value	na(0)

Example:

```
***** SNMP QUERY STARTED *****
1: fanMaxRpm.1 (gauge) 11000
2: fanMaxRpm.2 (gauge) 11000
3: fanMaxRpm.3 (gauge) 11000
4: fanMaxRpm.4 (gauge) 11000
5: fanMaxRpm.5 (gauge) 11000
6: fanMaxRpm.6 (gauge) 11000
***** SNMP QUERY FINISHED *****
```

Fan Health Status: fanHealthSt

For a description of this child node, refer to [Table 2-119](#).

Table 2-119 Fan Health Status: fanHealthSt

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053 .19.1.3.2.21.1.7	No	Unsigned32	Read-only	Single value	unHealthy(0) healthy(1) na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: fanHealthSt.1 (gauge) healthy(1)
2: fanHealthSt.2 (gauge) healthy(1)
3: fanHealthSt.3 (gauge) healthy(1)
4: fanHealthSt.4 (gauge) healthy(1)
5: fanHealthSt.5 (gauge) healthy(1)
6: fanHealthSt.6 (gauge) healthy(1)
***** SNMP QUERY FINISHED *****
```

Fan Serial Number: fanSeriNum

For a description of this child node, refer to [Table 2-120](#).

Table 2-120 Fan Serial Number: fanSeriNum

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.605 3.19.1.3.2.21.1.8	No	DisplayString	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: fanSeriNum.1 (octet string) 20150305 [32.30.31.35.30.33.30.35 (hex)]
2: fanSeriNum.2 (octet string) 20150305 [32.30.31.35.30.33.30.35 (hex)]
3: fanSeriNum.3 (octet string) 20150305 [32.30.31.35.30.33.30.35 (hex)]
4: fanSeriNum.4 (octet string) 20150305 [32.30.31.35.30.33.30.35 (hex)]
5: fanSeriNum.5 (octet string) 20150305 [32.30.31.35.30.33.30.35 (hex)]
6: fanSeriNum.6 (octet string) 20150305 [32.30.31.35.30.33.30.35 (hex)]
***** SNMP QUERY FINISHED *****
```

Fan Part Number: fanPartNum

For a description of this child node, refer to [Table 2-121](#).

Table 2-121 Fan Part Number: fanPartNum

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1 9.1.3.2.21.1.9	No	DisplayString	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: fanPartNum.1 (octet string) na [6E.61 (hex)]
2: fanPartNum.2 (octet string) na [6E.61 (hex)]
3: fanPartNum.3 (octet string) na [6E.61 (hex)]
4: fanPartNum.4 (octet string) na [6E.61 (hex)]
5: fanPartNum.5 (octet string) na [6E.61 (hex)]
6: fanPartNum.6 (octet string) na [6E.61 (hex)]
***** SNMP QUERY FINISHED *****
```

Fan Silk Screen: fanIdentify

For a description of this child node, refer to [Table 2-122](#).

Table 2-122 Fan silk screen: fanIdentify

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19 19.1.3.2.21.1.10	No	DisplayString	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
37: fanIdentify.1 (octet string) 1 [31 (hex)]
38: fanIdentify.2 (octet string) 2 [32 (hex)]
39: fanIdentify.3 (octet string) 3 [33 (hex)]
40: fanIdentify.4 (octet string) 4 [34 (hex)]
***** SNMP QUERY FINISHED *****
```

Fan alarm status: fanAlarmStatus

For a description of this child node, refer to [Table 2-123](#).

Table 2-123 Fan alarm status: fanAlarmStatus

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19 .1.3.2.21.1.11	No	Unsigned32	Read-only	Single value	ok(0) minor(1)

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
					major(2) critical(3) unknown(4)

Example:

```
***** SNMP QUERY STARTED *****
1: fanAlarmStatus.1 (gauge) ok(0)
2: fanAlarmStatus.2 (gauge) ok(0)
3: fanAlarmStatus.3 (gauge) ok(0)
4: fanAlarmStatus.4 (gauge) ok(0)
5: fanAlarmStatus.5 (gauge) ok(0)
6: fanAlarmStatus.6 (gauge) ok(0)
***** SNMP QUERY FINISHED *****
```

2.1.17 BMC Time Information: boardTime

Parent Node

For a description of the parent node boardTime, refer to [Table 2-124](#).

Table 2-124 boardTime—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
boardTime	Scalar	BMC time information	1.3.6.1.4.1.3902.6053.19.1.3.2.22

Child Node

For a description of the child nodes of boardTime, refer to [Table 2-125](#).

Table 2-125 boardTime—Child Nodes

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
year	Year	1.3.6.1.4.1.3902.6053.19.1.3.2.22.1	No	Unsigned32
month	Month	1.3.6.1.4.1.3902.6053.19.1.3.2.22.2	No	Unsigned32
day	Day	1.3.6.1.4.1.3902.6053.19.1.3.2.22.3	No	Unsigned32

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
hour	Hour	1.3.6.1.4.1.3902.6053.19.1.3.2.22.4	No	Unsigned32
minute	Minute	1.3.6.1.4.1.3902.6053.19.1.3.2.22.5	No	Unsigned32
second	Second	1.3.6.1.4.1.3902.6053.19.1.3.2.22.6	No	Unsigned32
timeZone	Time zone	1.3.6.1.4.1.3902.6053.19.1.3.2.22.7	No	Integer32
childZone	Child time zone	1.3.6.1.4.1.3902.6053.19.1.3.2.22.8	No	Integer32
reserve1	Reserved field	1.3.6.1.4.1.3902.6053.19.1.3.2.22.9	No	DisplayString
reserve2	Reserved field	1.3.6.1.4.1.3902.6053.19.1.3.2.22.10	No	DisplayString

Year: year

For a description of this child node, refer to [Table 2-126](#).

Table 2-126 Year: year

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.22.1	No	Unsigned32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: year.0 (gauge) 2021
***** SNMP QUERY FINISHED *****
```

Month: month

For a description of this child node, refer to [Table 2-127](#).

Table 2-127 Month: month

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.22.2	No	Unsigned32	Read-only	Value range	1..12

Example:

```
***** SNMP QUERY STARTED *****
1: month.0 (gauge) 1
***** SNMP QUERY FINISHED *****
```

Day: day

For a description of this child node, refer to [Table 2-128](#).

Table 2-128 Day: day

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.22.3	No	Unsigned32	Read-only	Value range	1..31

Example:

```
***** SNMP QUERY STARTED *****
1: day.0 (gauge) 28
***** SNMP QUERY FINISHED *****
```

Hour: hour

For a description of this child node, refer to [Table 2-129](#).

Table 2-129 Hour: hour

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.22.4	No	Unsigned32	Read-only	Value range	0..23

Example:

```
***** SNMP QUERY STARTED *****
1: hour.0 (gauge) 14
***** SNMP QUERY FINISHED *****
```

Minute: minute

For a description of this child node, refer to [Table 2-130](#).

Table 2-130 Minute: minute

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1 9.1.3.2.22.5	No	Unsigned32	Read-only	Value range	0..59

Example:

```
***** SNMP QUERY STARTED *****
1: minute.0 (gauge) 21
***** SNMP QUERY FINISHED *****
```

Second: second

For a description of this child node, refer to [Table 2-131](#).

Table 2-131 Second: second

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19 .1.3.2.22.6	No	Unsigned32	Read-only	Value range	0..59

Example:

```
***** SNMP QUERY STARTED *****
1: second.0 (gauge) 10
***** SNMP QUERY FINISHED *****
```

Time Zone: timeZone

For a description of this child node, refer to [Table 2-132](#).

Table 2-132 Time Zone: timeZone

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053. 19.1.3.2.22.7	No	Integer32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: timeZone.0 (integer) 480
***** SNMP QUERY FINISHED *****
```

Child Time Zone: childZone

For a description of this child node, refer to [Table 2-133](#).

Table 2-133 Child Time Zone: childZone

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.605 3.19.1.3.2.22.8	No	Integer32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: childZone.0 (integer) 0
***** SNMP QUERY FINISHED *****
```

Reserved Field: reserve1

For a description of this child node, refer to [Table 2-134](#).

Table 2-134 Reserved Field: reserve1

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1 9.1.3.2.22.9	No	DisplayString	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: reserve1.0 (octet string) (zero-length)
***** SNMP QUERY FINISHED *****
```

Reserved Field: reserve2

For a description of this child node, refer to [Table 2-135](#).

Table 2-135 Reserved Field: reserve2

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19 .1.3.2.22.10	No	DisplayString	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
```

```
***** SNMP QUERY FINISHED *****
```

2.1.18 CPU Temperature Information: boardCpuTemp

Parent Node

For a description of the parent node boardCpuTemp, refer to [Table 2-136](#).

Table 2-136 boardCpuTemp—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
boardCpuTemp	Tabular	CPU temperature information	1.3.6.1.4.1.3902.6053.19.1.3.2.30

Child Node

For a description of the child nodes of boardCpuTemp, refer to [Table 2-137](#).

Table 2-137 boardCpuTemp—Child Nodes

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
boardcpuIndex	CPU ID	1.3.6.1.4.1.3902.6053.19.1.3.2.30.1.1	Yes	Unsigned32
cpuPresent	CPU presence information	1.3.6.1.4.1.3902.6053.19.1.3.2.30.1.2	No	Unsigned32
cpuTemp	CPU temperature information	1.3.6.1.4.1.3902.6053.19.1.3.2.30.1.3	No	Unsigned32
tempValid	CPU temperature validity	1.3.6.1.4.1.3902.6053.19.1.3.2.30.1.4	No	Unsigned32

CPU ID: boardcpuIndex

For a description of this child node, refer to [Table 2-138](#).

Table 2-138 CPU ID: boardcpuIndex

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.30.1.1	Yes	Unsigned32	Read-only	None	None

Example:

```
2: boardcpuIndex.1 (gauge) 1
***** SNMP QUERY FINISHED *****
```

CPU Presence Information: cpuPresent

For a description of this child node, refer to [Table 2-139](#).

Table 2-139 CPU Presence Information: cpuPresent

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1 9.1.3.2.30.1.2	No	Unsigned32	Read-only	Single value	present(1) absent(0) na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: cpuPresent.0 (gauge) present(1)
2: cpuPresent.1 (gauge) present(1)
***** SNMP QUERY FINISHED *****
```

CPU Temperature Information: cpuTemp

For a description of this child node, refer to [Table 2-140](#).

Table 2-140 CPU Temperature Information: cpuTemp

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19 .1.3.2.30.1.3	No	Unsigned32	Read-only	Single value	na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: cpuTemp.0 (gauge) 34
2: cpuTemp.1 (gauge) 33
***** SNMP QUERY FINISHED *****
```

CPU Temperature Validity: tempValid

For a description of this child node, refer to [Table 2-141](#).

Table 2-141 CPU Temperature Validity: tempValid

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1 9.1.3.2.30.1.4	No	Unsigned32	Read-only	Single value	available(1) unavailable(0)

Example:

```
***** SNMP QUERY STARTED *****
1: tempValid.0 (gauge) available(1)
2: tempValid.1 (gauge) available(1)
***** SNMP QUERY FINISHED *****
```

2.1.19 Server Chassis Intrusion Status: chassisIntrusionState

Parent Node

For a description of the parent node chassisIntrusionState, refer to [Table 2-142](#).

Table 2-142 chassisIntrusionState—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
chassisIntrusionState	Scalar	Server chassis intrusion status	1.3.6.1.4.1.3902.6053.19 .1.3.2.32

Child Node

For a description of the child node of chassisIntrusionState, refer to [Table 2-143](#).

Table 2-143 chassisIntrusionState—Child Node

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
intrusionState	Server chassis intrusion status	1.3.6.1.4.1.3902.6053.19.1.3 .2.32.1	No	DisplayString

Server Chassis Intrusion Status: intrusionState

For a description of this child node, refer to [Table 2-144](#).

Table 2-144 Server Chassis Intrusion Status: intrusionState

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19. 1.3.2.32.1	No	DisplayString	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: intrusionState.0 (octet string) Status Normal
[53.74.61.74.75.73.20.4E.6F.72.6D.61.6C (hex)]
***** SNMP QUERY FINISHED *****
```

2.1.20 Server Temperature Information: chassisTemp

Parent Node

For a description of the parent node chassisTemp, refer to [Table 2-145](#).

Table 2-145 chassisTemp—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
chassisTemp	Tabular	Server temperature information	1.3.6.1.4.1.3902.6053.19.1.3.2.33

Child Node

For a description of the child nodes of chassisTemp, refer to [Table 2-146](#).

Table 2-146 chassisTemp—Child Nodes

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
ioletIndex	Index	1.3.6.1.4.1.3902.6053.19.1.3.2.33.1.1	Yes	Unsigned32
ioletType	Temperature type	1.3.6.1.4.1.3902.6053.19.1.3.2.33.1.2	No	Unsigned32
ioletTemp	Temperature	1.3.6.1.4.1.3902.6053.19.1.3.2.33.1.3	No	Unsigned32
ioletVaild	Temperature validity	1.3.6.1.4.1.3902.6053.19.1.3.2.33.1.4	No	Unsigned32

Index: ioletIndex

For a description of this child node, refer to [Table 2-147](#).

Table 2-147 Index: ioletIndex

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.33.1.1	Yes	Unsigned32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: ioletIndex.1 (gauge) 1
2: ioletIndex.2 (gauge) 2
3: ioletIndex.3 (gauge) 3
4: ioletIndex.4 (gauge) 4
***** SNMP QUERY FINISHED *****
```

Temperature Type: ioletType

For a description of this child node, refer to [Table 2-148](#).

Table 2-148 Temperature Type: ioletType

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1 9.1.3.2.33.1.2	No	Unsigned32	Read-only	Single value	inletTemperature (0) outletTemperature (1)

Example:

```
***** SNMP QUERY STARTED *****
1: ioletType.1 (gauge) inletTemperature(0)
2: ioletType.2 (gauge) outletTemperature(1)
3: ioletType.3 (gauge) outletTemperature(1)
4: ioletType.4 (gauge) outletTemperature(1)
***** SNMP QUERY FINISHED *****
```

Temperature: ioletTemp

For a description of this child node, refer to [Table 2-149](#).

Table 2-149 Temperature: ioletTemp

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.605 3.19.1.3.2.33.1.3	No	Unsigned32	Read-only	Single value	na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: ioletTemp.1 (gauge) 22
2: ioletTemp.2 (gauge) 33
3: ioletTemp.3 (gauge) 34
```

```
4: ioletTemp.4 (gauge) 29
***** SNMP QUERY FINISHED *****
```

Temperature Validity: ioletVaild

For a description of this child node, refer to [Table 2-150](#).

Table 2-150 Temperature Validity: ioletVaild

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.33.1.4	No	Unsigned32	Read-only	Single value	unavailable(0) available(1)

Example:

```
***** SNMP QUERY STARTED *****
1: ioletVaild.1 (gauge) available(1)
2: ioletVaild.2 (gauge) available(1)
3: ioletVaild.3 (gauge) available(1)
4: ioletVaild.4 (gauge) available(1)
***** SNMP QUERY FINISHED *****
```

2.1.21 BMC Management Interface Parameter: boardEth1Param

Parent Node

For a description of the parent node boardEth1Param, refer to [Table 2-151](#).

Table 2-151 boardEth1Param—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
boardEth1Param	Scalar	BMC management interface parameter	1.3.6.1.4.1.3902.6053.19.1.3.2.34

Child Node

For a description of the child nodes of boardEth1Param, refer to [Table 2-152](#).

Table 2-152 boardEth1Param—Child Nodes

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
ifDhcpEth1	DHCP enabling flag	1.3.6.1.4.1.3902.6053.19.1.3.2.34.1	No	Unsigned32
ifVlanEth1	VLAN enabling flag	1.3.6.1.4.1.3902.6053.19.1.3.2.34.2	No	Unsigned32

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
vlanIDeth1	VLAN ID	1.3.6.1.4.1.3902.6053.19.1.3.2.34.3	No	Unsigned32
iPEth1	IPv4 address	1.3.6.1.4.1.3902.6053.19.1.3.2.34.4	No	DisplayString
maskEth1	IPv4 mask address	1.3.6.1.4.1.3902.6053.19.1.3.2.34.5	No	DisplayString
defaultGWEth1	IPv4 gateway address	1.3.6.1.4.1.3902.6053.19.1.3.2.34.6	No	DisplayString
macAddrEth1	MAC address	1.3.6.1.4.1.3902.6053.19.1.3.2.34.7	No	DisplayString
netEnableFlagEth1	Network interface enabling flag	1.3.6.1.4.1.3902.6053.19.1.3.2.34.8	No	Unsigned32
lldpEnableEth1	LLDP enabling flag	1.3.6.1.4.1.3902.6053.19.1.3.2.34.9	No	Unsigned32
workModeEth1	LLDP operating mode	1.3.6.1.4.1.3902.6053.19.1.3.2.34.10	No	DisplayString

DHCP Enabling Flag: ifDhcpEth1

For a description of this child node, refer to [Table 2-153](#).

Table 2-153 DHCP Enabling Flag: ifDhcpEth1

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.34.1	No	Unsigned32	Read-only	Single value	enabled(1) disabled(0) na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: ifDhcpEth1.0 (gauge) disabled(0)
***** SNMP QUERY FINISHED *****
```

VLAN Enabling Flag: ifVlanEth1

For a description of this child node, refer to [Table 2-154](#).

Table 2-154 VLAN Enabling Flag: ifVlanEth1

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.60 53.19.1.3.2.34.2	No	Unsigned32	Read-only	Single value	enabled(1) disabled(0)

Example:

```
***** SNMP QUERY STARTED *****
1: ifVlanEth1.0 (gauge) disabled(0)
***** SNMP QUERY FINISHED *****
```

VLAN ID: vlanIDeth1

For a description of this child node, refer to [Table 2-155](#).

Table 2-155 VLAN ID: vlanIDeth1

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.605 3.19.1.3.2.34.3	No	Unsigned32	Read-only	Value range	1..4094

Example:

```
***** SNMP QUERY STARTED *****
1: vlanIDeth1.0 (gauge) 0
***** SNMP QUERY FINISHED *****
```

IPv4 Address: iPEth1

For a description of this child node, refer to [Table 2-156](#).

Table 2-156 IPV4 Address: iPEth1

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19 .1.3.2.34.4	No	DisplayString	Read-only	Space size	0..16

Example:

```
***** SNMP QUERY STARTED *****
1: iPEth1.0 (octet string) 192.120.5.33 [31.39.32.2E.31.32.30.2E.35.2E.33.33
(hex)]
***** SNMP QUERY FINISHED *****
```

IPv4 Mask Address: maskEth1

For a description of this child node, refer to [Table 2-157](#).

Table 2-157 IPV4 Mask Address: maskEth1

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1 9.1.3.2.34.5	No	DisplayString	Read-only	Space size	0..16

Example:

```
***** SNMP QUERY STARTED *****
1: maskEth1.0 (octet string) 255.255.255.0
[32.35.35.2E.32.35.35.2E.32.35.35.2E.30 (hex)]
***** SNMP QUERY FINISHED *****
```

IPv4 Gateway Address: defaultGWeth1

For a description of this child node, refer to [Table 2-158](#).

Table 2-158 IPV4 Gateway Address: defaultGWeth1

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1 .3.2.34.6	No	DisplayString	Read-only	Space size	0..16

Example:

```
***** SNMP QUERY STARTED *****
1: defaultGWeth1.0 (octet string) 192.120.5.1 [31.39.32.2E.31.32.30.2E.35.2E.31 (hex)]
***** SNMP QUERY FINISHED *****
```

MAC Address: macAddrEth1

For a description of this child node, refer to [Table 2-159](#).

Table 2-159 MAC Address: macAddrEth1

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19. 1.3.2.34.7	No	DisplayString	Read-only	Space size	0..18

Example:

```
***** SNMP QUERY STARTED *****
```

```
1: macAddrEth1.0 (octet string) 4C:09:B4:88:AF:B6
[34.43.3A.30.39.3A.42.34.3A.38.38.3A.41.46.3A.42.36 (hex)]
***** SNMP QUERY FINISHED *****
```

Network Interface Enabling Flag: netEnableFlagEth1

For a description of this child node, refer to [Table 2-160](#).

Table 2-160 Network Interface Enabling Flag: netEnableFlagEth1

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.34.8	No	Unsigned32	Read-only	Single value	enabled(1) disabled(0)

Example:

```
***** SNMP QUERY STARTED *****
1: netEnableFlagEth1.0 (gauge) enabled(1)
***** SNMP QUERY FINISHED *****
```

LLDP Enabling Flag: lldpEnableEth1

For a description of this child node, refer to [Table 2-161](#).

Table 2-161 LLDP Enabling Flag: lldpEnableEth1

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.34.9	No	Unsigned32	read-only	Single value	enabled(1) disabled(0)

Example:

```
***** SNMP QUERY STARTED *****
1: lldpEnableEth1.0 (gauge) enabled(1)
***** SNMP QUERY FINISHED *****
```

LLDP Work Mode: workModeEth1

For a description of this child node, refer to [Table 2-162](#).

Table 2-162 LLDP Work Mode: workModeEth1

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.34.10	No	DisplayString	read-only	Space size	0..16

Example:

```
***** SNMP QUERY STARTED *****
1: workModeEth1.0 (octet string) TxRx [54.78.52.78 (hex)]
***** SNMP QUERY FINISHED *****
```

2.1.22 BMC Shared Interface Parameter: boardEth0Param

Parent Node

For a description of the parent node boardEth0Param, refer to [Table 2-163](#).

Table 2-163 boardEth0Param—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
boardEth0Param	Scalar	BMC shared interface parameter	1.3.6.1.4.1.3902.6053.19.1.3.2.35

Child Node

For a description of the child nodes of boardEth0Param, refer to [Table 2-164](#).

Table 2-164 boardEth0Param—Child Nodes

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
ifDhcpEth0	DHCP enabling flag	1.3.6.1.4.1.3902.6053.19.1.3.2.35.1	No	Unsigned32
ifVlanEth0	VLAN enabling flag	1.3.6.1.4.1.3902.6053.19.1.3.2.35.2	No	Unsigned32
vlanIDEth0	VLAN ID	1.3.6.1.4.1.3902.6053.19.1.3.2.35.3	No	Unsigned32
iPEth0	IPv4 address	1.3.6.1.4.1.3902.6053.19.1.3.2.35.4	No	DisplayString
maskEth0	IPv4 mask address	1.3.6.1.4.1.3902.6053.19.1.3.2.35.5	No	DisplayString
defaultGWEth0	IPv4 gateway address	1.3.6.1.4.1.3902.6053.19.1.3.2.35.6	No	DisplayString
macAddrEth0	MAC address	1.3.6.1.4.1.3902.6053.19.1.3.2.35.7	No	DisplayString
netEnableFlagEth0	Network interface enabling flag	1.3.6.1.4.1.3902.6053.19.1.3.2.35.8	No	Unsigned32

DHCP Enabling Flag: ifDhcpEth0

For a description of this child node, refer to [Table 2-165](#).

Table 2-165 DHCP Enabling Flag: ifDhcpEth0

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1 9.1.3.2.35.1	No	Unsigned32	Read-only	Single value	enabled(1) disabled(0) na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: ifDhcpEth0.0 (gauge) enabled(1)
***** SNMP QUERY FINISHED *****
```

VLAN Enabling Flag: ifVlanEth0

For a description of this child node, refer to [Table 2-166](#).

Table 2-166 VLAN Enabling Flag: ifVlanEth0

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1 9.1.3.2.35.2	No	Unsigned32	Read-only	Single value	enabled(1) disabled(0) na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: ifVlanEth0.0 (gauge) disabled(0)
***** SNMP QUERY FINISHED *****
```

VLAN ID: vlanIDEth0

For a description of this child node, refer to [Table 2-167](#).

Table 2-167 VLAN ID: vlanIDEth0

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1 9.1.3.2.35.3	No	Unsigned32	Read-only	Value range	1..4094

Example:

```
***** SNMP QUERY STARTED *****
1: vlanIDeth0.0 (gauge) 0
***** SNMP QUERY FINISHED *****
```

IPv4 Address: iPEth0

For a description of this child node, refer to [Table 2-168](#).

Table 2-168 IPV4 Address: iPEth0

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053. 19.1.3.2.35.4	No	DisplayString	Read-only	Space size	0..16

Example:

```
***** SNMP QUERY STARTED *****
1: iPEth0.0 (octet string) 129.0.0.56 [31.32.39.2E.30.2E.30.2E.35.36 (hex)]
***** SNMP QUERY FINISHED *****
```

IPv4 Mask Address: maskEth0

For a description of this child node, refer to [Table 2-169](#).

Table 2-169 IPV4 Mask Address: maskEth0

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053. 19.1.3.2.35.5	No	DisplayString	Read-only	Space size	0..16

Example:

```
***** SNMP QUERY STARTED *****
1: maskEth0.0 (octet string) 255.0.0.0 [32.35.35.2E.30.2E.30.2E.30 (hex)]
***** SNMP QUERY FINISHED *****
```

IPv4 Gateway Address: defaultGWeth0

For a description of this child node, refer to [Table 2-170](#).

Table 2-170 IPV4 Gateway Address: defaultGWeth0

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.605 3.19.1.3.2.35.6	No	DisplayString	Read-only	Space size	0..16

Example:

```
***** SNMP QUERY STARTED *****
1: defaultGWEth0.0 (octet string) 129.0.0.222 [31.32.39.2E.30.2E.30.2E.32.32.32
(hex)]
***** SNMP QUERY FINISHED *****
```

MAC Address : macAddrEth0

For a description of this child node, refer to [Table 2-171](#).

Table 2-171 MAC Address: macAddrEth0

Child Node OID	Index Flag	Data Type	Access At-tribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053. 19.1.3.2.35.7	No	DisplayString	Read-only	Space size	0..18

Example:

```
***** SNMP QUERY STARTED *****
1: macAddrEth0.0 (octet string) 4C:09:B4:88:AF:B5
[34.43.3A.30.39.3A.42.34.3A.38.38.3A.41.46.3A.42.35 (hex)]
***** SNMP QUERY FINISHED *****
```

Network Interface Enabling Flag: netEnableFlagEth0

For a description of this child node, refer to [Table 2-172](#).

Table 2-172 Network Interface Enabling Flag: netEnableFlagEth0

Child Node OID	Index Flag	Data Type	Access At-tribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053. 19.1.3.2.35.8	No	Unsigned32	Read-only	Single value	enabled(1) disabled(0) na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: netEnableFlagEth0.0 (gauge) enabled(1)
***** SNMP QUERY FINISHED *****
```

2.1.23 CPU Health Status Information: boardCpuHealthStatus

Parent Node

For a description of the parent node boardCpuHealthStatus, refer to [Table 2-173](#).

Table 2-173 boardCpuHealthStatus—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
boardCpuHealthStatus	Tabular	CPU health status information	1.3.6.1.4.1.3902.6053.19.1.3.2.41

Child Node

For a description of the child nodes of boardCpuHealthStatus, refer to [Table 2-174](#).

Table 2-174 boardCpuHealthStatus—Child Nodes

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
boardCpuIndex	CPU ID	1.3.6.1.4.1.3902.6053.19.1.3.2.41.1.1	Yes	Unsigned32
boardCpuStatus	CPU health status	1.3.6.1.4.1.3902.6053.19.1.3.2.41.1.2	No	Unsigned32

CPU ID: boardCpuIndex

For a description of this child node, refer to [Table 2-175](#).

Table 2-175 CPU ID: boardCpuIndex

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.41.1.1	Yes	Unsigned32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: boardCpuIndex.0 (gauge) 0
2: boardCpuIndex.1 (gauge) 1
***** SNMP QUERY FINISHED *****
```

CPU Health Status: boardCpuStatus

For a description of this child node, refer to [Table 2-176](#).

Table 2-176 CPU Health Status: boardCpuStatus

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.41.1.2	No	Unsigned32	Read-only	Single value	healthy(0) unhealthy(1) na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: boardCpuStatus.0 (gauge) healthy(0)
2: boardCpuStatus.1 (gauge) healthy(0)
***** SNMP QUERY FINISHED *****
```

2.1.24 PCIe Device Information: boardpciedeviceInfo

Parent Node

For a description of the parent node boardpciedeviceInfo, refer to [Table 2-177](#).

Table 2-177 boardpciedeviceInfo—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
boardpciedeviceInfo	Tabular	PCIe device information	1.3.6.1.4.1.3902.6053.19.1.3.2.42

Child Node

For a description of the child nodes of boardpciedeviceInfo, refer to [Table 2-178](#).

Table 2-178 boardpciedeviceInfo—Child Nodes

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
pcieDeviceSlotNumber	PCIe device slot number	1.3.6.1.4.1.3902.6053.19.1.3.2.42.1.1	Yes	Unsigned32
classCode	PCIe device classification	1.3.6.1.4.1.3902.6053.19.1.3.2.42.1.2	No	Unsigned32
pcieManufacturer	PCIe device manufacturer	1.3.6.1.4.1.3902.6053.19.1.3.2.42.1.3	No	DisplayString
pcieModel	PCIe device model	1.3.6.1.4.1.3902.6053.19.1.3.2.42.1.4	No	DisplayString

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
pcieName	PCIe device name	1.3.6.1.4.1.3902.6053.19.1.3.2.42.1.5	No	DisplayString
description	PCIe device description	1.3.6.1.4.1.3902.6053.19.1.3.2.42.1.6	No	DisplayString
pcieId	PCIe device ID	1.3.6.1.4.1.3902.6053.19.1.3.2.42.1.7	No	DisplayString
pcieHealth	PCIe device health status	1.3.6.1.4.1.3902.6053.19.1.3.2.42.1.8	No	DisplayString
pcieCardType	PCIe card type	1.3.6.1.4.1.3902.6053.19.1.3.2.42.1.9	No	DisplayString
maxLanes	Maximum number of lanes	1.3.6.1.4.1.3902.6053.19.1.3.2.42.1.10	No	Unsigned32
pcieFirmwareVersion	PCIe firmware version	1.3.6.1.4.1.3902.6053.19.1.3.2.42.1.11	No	DisplayString
pcieSerialNumber	PCIe device SN	1.3.6.1.4.1.3902.6053.19.1.3.2.42.1.12	No	DisplayString
lanesInUse	Lanes in use	1.3.6.1.4.1.3902.6053.19.1.3.2.42.1.13	No	Unsigned32
pcieDeviceID	PCIe endpoint	1.3.6.1.4.1.3902.6053.19.1.3.2.42.1.14	Yes	Unsigned32
pcieBDF	PCIe BDF notation	1.3.6.1.4.1.3902.6053.19.1.3.2.42.1.15	No	DisplayString

PCIe Device Slot Number: pcieDeviceSlotNumber

For a description of this child node, refer to [Table 2-179](#).

Table 2-179 PCIe Device Slot Number: pcieDeviceSlotNumber

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.42.1.1	No	Unsigned32	Read-only	Single value	None

Example:

```
***** SNMP QUERY STARTED *****
1: pcieDeviceSlotNumber.5.1 (gauge) 5
2: pcieDeviceSlotNumber.5.2 (gauge) 5
```

```

3: pcieDeviceSlotNumber.6.1 (gauge) 6
4: pcieDeviceSlotNumber.7.1 (gauge) 7
***** SNMP QUERY FINISHED *****

```

PCIe Device Classification: classCode

For a description of this child node, refer to [Table 2-180](#).

Table 2-180 PCIe Device Classification: classCode

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.42.1.2	No	Unsigned32	Read-only	Single value	storage(1) network(2) display(3) multimedia(4) memoryController(5) bridge(6) simpleCommunication(7) basicSystemPeripheral(8) input(9) castle(10) processor(11) serialBusController(12) wirelessController(13) integratedIOController(14) satelliteCommunicationController(15) encryptionAndDecryptionController(16) dataAcquisitionAndSignalProcessingController(17) processingAccelerators(18)

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
					unsupported(255)

Example:

```
***** SNMP QUERY STARTED *****
1: classCode.5.1 (gauge) simpleCommunication(7)
2: classCode.5.1 (gauge) simpleCommunication(7)
3: classCode.6.1 (gauge) storage(1)
***** SNMP QUERY FINISHED *****
```

PCIe Device Manufacturer: **pcieManufacturer**

For a description of this child node, refer to [Table 2-181](#).

Table 2-181 PCIe Device Manufacturer: **pcieManufacturer**

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.42.1.3	No	DisplayString	Read-only	Space size	1..48

Example:

```
***** SNMP QUERY STARTED *****
1: pcieManufacturer.5.1 (octet string) Kunlunxin [42.72.6F.61.64.63.6F.6D (hex)]
2: pcieManufacturer.5.2 (octet string) Kunlunxin [4D.45.4D.42.4C.41.5A.45 (hex)]
3: pcieManufacturer.6.1 (octet string) Memblaze [43.61.6D.62.72.69.63.6F.6E (hex)]
***** SNMP QUERY FINISHED *****
```

PCIe Device Model: **pcieModel**

For a description of this child node, refer to [Table 2-182](#).

Table 2-182 PCIe Device Model: **pcieModel**

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.42.1.4	No	DisplayString	Read-only	Space size	1..48

Example:

```
***** SNMP QUERY STARTED *****
1: pcieModel.5.1 (octet string) R420 [52.41.49.44.5F.53.41.53.33.31.30.38 (hex)]
2: pcieModel.5.1 (octet string) R420 [50.35.39.31.36.43.48.30.33.32.30.4D.30.30 (hex)]
```

```
3: pcieModel.6.1 (octet string) MEMBLAZE P6536CH0320M00 [4D.4C.55.32.37.30.2D.53.34 (hex)]
***** SNMP QUERY FINISHED *****
```

PCIe Device Name: pcieName

For a description of this child node, refer to [Table 2-183](#).

Table 2-183 PCIe Device Name: pcieName

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.42.1.5	No	DisplayString	Read-only	Space size	1..48

Example:

```
***** SNMP QUERY STARTED *****
1: pcieName.5.1 (octet string) GPU5 [52.41.49.44.35 (hex)]
2: pcieName.5.2 (octet string) GPU5 [41.49.43.36 (hex)]
3: pcieName.6.1 (octet string) AIC6 [47.50.55.37 (hex)]
***** SNMP QUERY FINISHED *****
```

PCIe Device Description: description

For a description of this child node, refer to [Table 2-184](#).

Table 2-184 PCIe Device Description: description

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.42.1.6	No	DisplayString	Read-only	Space size	1..48

Example:

```
***** SNMP QUERY STARTED *****
1: description.5.1 (octet string) R420
[41.56.41.47.4F.20.4D.65.67.61.52.41.49.44.20.53.41.53.20.39.33.36.31.2D.38.69 (hex)]
2: description.5.2 (octet string) R420 [50.35.39.31.36.43.48.30.33.32.30.4D.30.30 (hex)]
3: description.6.1 (octet string) MEMBLAZE P6536CH0320M00 [4D.4C.55.32.37.30.2D.53.34 (hex)]
***** SNMP QUERY FINISHED *****
```

PCIe Device ID: pciID

For a description of this child node, refer to [Table 2-185](#).

Table 2-185 PCIe ID: pciID

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.42.1.7	No	DisplayString	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: pciID.5.1 (octet string) mainboardPCleCard5 [6D.61.69.6E.62.6F.61.72.64.50.43.49.65.43.61.72.64.35
(hex)]
2: pciID.5.2 (octet string) mainboardPCleCard5 [6D.61.69.6E.62.6F.61.72.64.50.43.49.65.43.61.72.64.36
(hex)]
3: pciID.6.1 (octet string) mainboardPCleCard6 [6D.61.69.6E.62.6F.61.72.64.50.43.49.65.43.61.72.64.37
(hex)]
***** SNMP QUERY FINISHED *****
```

PCIe Device Health Status: pciHealth

For a description of this child node, refer to [Table 2-186](#).

Table 2-186 PCIe Device Health Status: pciHealth

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.42.1.8	No	DisplayString	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: pciHealth.5.1 (octet string) OK [4F.4B (hex)]
2: pciHealth.5.2 (octet string) OK [4F.4B (hex)]
3: pciHealth.6.1 (octet string) OK [4F.4B (hex)]
***** SNMP QUERY FINISHED *****
```

PCIe Card Type: pciCardType

For a description of this child node, refer to [Table 2-187](#).

Table 2-187 PCIe Card Type: pcieCardType

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.42.1.9	No	DisplayString	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: pcieCardType.5.1 (octet string) GPU [52.41.49.44 (hex)]
2: pcieCardType.5.2 (octet string) GPU [41.49.43 (hex)]
3: pcieCardType.6.1 (octet string) AIC [47.50.55 (hex)]
***** SNMP QUERY FINISHED *****
```

Maximum Number of Lanes: maxLanes

For a description of this child node, refer to [Table 2-188](#).

Table 2-188 Maximum Number of Lanes: maxLanes

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.42.1.10	No	DisplayString	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: maxLanes.5.1 (gauge) 8
2: maxLanes.5.2 (gauge) 8
3: maxLanes.6.1 (gauge) 16
***** SNMP QUERY FINISHED *****
```

PCIe Firmware Version: pcieFirmwareVersion

For a description of this child node, refer to [Table 2-189](#).

Table 2-189 PCIe Firmware Version: pcieFirmwareVersion

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.42.1.11	No	DisplayString	Read-only	None	None

Example:

***** SNMP QUERY STARTED *****

1: pcieFirmwareVersion.5.1 (octet string) 4.680.00-8519 [34.2E.36.38.30.2E.30.30.2D.38.35.31.39 (hex)]

2: pcieFirmwareVersion.5.2 (octet string) 21300BA0 [32.31.33.30.30.42.41.30 (hex)]

3: pcieFirmwareVersion.6.1 (octet string) V1.1.3 [56.31.2E.31.2E.33 (hex)]

***** SNMP QUERY FINISHED *****

PCIe Device SN: pcieSerialNumber

For a description of this child node, refer to [Table 2-190](#).

Table 2-190 PCIe Device SN: pcieSerialNumber

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.42.1.12	No	DisplayString	Read-only	None	None

Example:

***** SNMP QUERY STARTED *****

1: pcieSerialNumber.5.1 (octet string) SPA2719138 [53.50.41.32.37.31.39.31.33.38 (hex)]

2: pcieSerialNumber.5.2 (octet string) SH193800101 [53.48.31.39.33.38.30.30.31.30.31 (hex)]

3: pcieSerialNumber.6.1 (octet string) 122006100445 [31.32.32.30.30.36.31.30.30.34.34.35 (hex)]

***** SNMP QUERY FINISHED *****

Lanes in Use: lanesInUse

For a description of this child node, refer to [Table 2-191](#).

Table 2-191 Lanes in Use: lanesInUse

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.42.1.13	No	DisplayString	Read-only	None	None

Example:

***** SNMP QUERY STARTED *****

1: lanesInUse.5.1 (gauge) 8

2: lanesInUse.5.2 (gauge) 8

3: lanesInUse.6.1 (gauge) 4

***** SNMP QUERY FINISHED *****

PCIe Endpoint: pcieDeviceID

For a description of this child node, refer to [Table 2-192](#).

Table 2-192 PCIe Endpoint: pcieDeviceID

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.42.1.14	Yes	Unsigned32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: pcieDeviceID.5.1 (gauge) 1
2: pcieDeviceID.5.2 (gauge) 2
3: pcieDeviceID.6.1 (gauge) 1
***** SNMP QUERY FINISHED *****
```

PCIe BDF Notation: pcieBDF

For a description of this child node, refer to [Table 2-193](#).

Table 2-193 PCIe BDF Notation: pcieBDF

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.42.1.15	No	DisplayString	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: pcieBDF.5.1 (octet string) 0000:17:00.0 [30.30.30.30.3A.31.37.3A.30.30.2E.30 (hex)]
2: pcieBDF.5.2 (octet string) 0000:19:00.0 [30.30.30.30.3A.31.39.3A.30.30.2E.30 (hex)]
3: pcieBDF.6.1 (octet string) 0000:98:00.0 [30.30.30.30.3A.39.38.3A.30.30.2E.30 (hex)]
***** SNMP QUERY FINISHED *****
```

2.1.25 BMC Host Name: boardHostName**Parent Node**

For a description of the parent node boardHostName, refer to [Table 2-194](#).

Table 2-194 boardHostName—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
boardHostName	Scalar	BMC host name	1.3.6.1.4.1.3902.6053.19 .1.3.2.43

Child Node

For a description of the child node of boardHostName, refer to [Table 2-195](#).

Table 2-195 boardHostName—Child Node

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
hostName	Host name, which contains a maximum of 63 characters and a minimum of one character. It can contain letters, digits, "-", and "_", but any digit and "-" cannot be the first character and "-" cannot be the last character.	1.3.6.1.4.1.3902.6053.19 .1.3.2.43.1	No	DisplayString

Host Name: hostName

For a description of this child node, refer to [Table 2-196](#).

Table 2-196 Host Name: hostName

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1 9.1.3.2.43.1	No	DisplayString	Read/Write	Space size	1..63

Example:

```
***** SNMP QUERY STARTED *****
1: hostName.0 (octet string) 2230-RE [32.32.33.30.2D.52.45 (hex)]
***** SNMP QUERY FINISHED *****
```

2.1.26 BMC NTP Information: boardNtpInfo**Parent Node**

For a description of the parent node boardNtpInfo, refer to [Table 2-197](#).

Table 2-197 boardNtpInfo—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
boardNtpInfo	Scalar	BMC NTP information	1.3.6.1.4.1.3902.6053.19.1.3.2.44

Child Node

For a description of the child nodes of boardNtpInfo, refer to [Table 2-198](#).

Table 2-198 boardNtpInfo—Child Nodes

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
bmcTimeSource	BMC time source	1.3.6.1.4.1.3902.6053.19.1.3.2.44.1	No	Integer32
primaryNtpAddress	Primary NTP server address	1.3.6.1.4.1.3902.6053.19.1.3.2.44.2	No	DisplayString
secondaryNtpAddress	Secondary NTP server address	1.3.6.1.4.1.3902.6053.19.1.3.2.44.3	No	DisplayString
tertiaryNtpAddress	Tertiary NTP server address	1.3.6.1.4.1.3902.6053.19.1.3.2.44.6	No	DisplayString
ntpInterval	Synchronization period, which must be longer than 59 seconds	1.3.6.1.4.1.3902.6053.19.1.3.2.44.4	No	Unsigned32
biosIsUTC	BIOS time type	1.3.6.1.4.1.3902.6053.19.1.3.2.44.5	No	Unsigned32

BMC Time Source: bmcTimeSource

For a description of this child node, refer to [Table 2-199](#).

Table 2-199 BMC Time Source: bmcTimeSource

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.44.1	No	Integer32	Read/Write	Single value	fromNTP(1) fromBIOS(0) fromDHCPv4(3) fromDHCPv6(4)

Example:

```
***** SNMP QUERY STARTED *****
1: bmcTimeSource.0 (integer) fromNTP(1)
***** SNMP QUERY FINISHED *****
```

Primary NTP Server Address: primaryNtpAddress

For a description of this child node, refer to [Table 2-200](#).

Table 2-200 Primary NTP Server Address: primaryNtpAddress

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.44.2	No	DisplayString	Read/Write	Space size	0..127

Example:

```
***** SNMP QUERY STARTED *****
1: primaryNtpAddress.0 (octet string) 192.120.5.117
[31.39.32.2E.31.32.30.2E.35.2E.31.31.37 (hex)]
***** SNMP QUERY FINISHED *****
```

Secondary NTP Server Address: secondaryNtpAddress

For a description of this child node, refer to [Table 2-201](#).

Table 2-201 Secondary NTP Server Address: secondaryNtpAddress

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.44.3	No	DisplayString	Read/Write	Space size	0..127

Example:

```
***** SNMP QUERY STARTED *****
1: secondaryNtpAddress.0 (octet string) 192.120.5.116
[31.39.32.2E.31.32.30.2E.35.2E.31.31.36 (hex)]
***** SNMP QUERY FINISHED *****
```

Synchronization Period: ntpInterval

For a description of this child node, refer to [Table 2-202](#).

Table 2-202 Synchronization Period: ntpInterval

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.44.4	No	Unsigned32	Read/Write	Value range	60..65535

Example:

```
***** SNMP QUERY STARTED *****
1: ntpInterval.0 (gauge) 60
***** SNMP QUERY FINISHED *****
```

BIOS Time Type: biosIsUTC

For a description of this child node, refer to [Table 2-203](#).

Table 2-203 BIOS Time Type: biosIsUTC

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.44.5	No	Unsigned32	Read/Write	Single value	local(0) utc(1)

Example:

```
***** SNMP QUERY STARTED *****
1: biosIsUTC.0 (gauge) utc(1)
***** SNMP QUERY FINISHED *****
```

Tertiary NTP Address: TertiaryNtpAddress

For a description of this child node, refer to [Table 2-204](#).

Table 2-204 Tertiary NTP Address: TertiaryNtpAddress

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.44.6	No	DisplayString	Read/Write	Space size	0..127

Example:

```
***** SNMP QUERY STARTED *****
1: tertiaryNtpAddress.0 (octet string) 192.120.5.115 [31.39.32.2E.31.32.30.2E.35.2E.31.31.35 (hex)]
***** SNMP QUERY FINISHED *****
```

2.1.27 UID Indicator Flashing: uid1Hz

Parent Node

For a description of the parent node uid1Hz, refer to [Table 2-205](#).

Table 2-205 uid1Hz—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
uid1Hz	Scalar	UID indicator flashing	1.3.6.1.4.1.3902.6053.19.1.3.2.45

Child Node

For a description of the child node of uid1Hz, refer to [Table 2-206](#).

Table 2-206 uid1Hz—Child Node

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
setUid1Hz	UID indicator flashing at 1 Hz	1.3.6.1.4.1.3902.6053.19.1.3.2.45.1	No	Unsigned32

UID Indicator Flashing at 1 Hz: setUid1Hz

For a description of this child node, refer to [Table 2-207](#).

Table 2-207 UID Indicator Flashing at 1 Hz: setUid1Hz

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.45.1	No	Unsigned32	Write-only	Single value	light1Hz(1)

Example:

```
***** SNMP QUERY STARTED *****
***** SNMP QUERY FINISHED *****
```

2.1.28 Server Asset Tag: boardAssetTagInfo

Parent Node

For a description of the parent node boardAssetTagInfo, refer to [Table 2-208](#).

Table 2-208 boardAssetTagInfo—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
boardAssetTagInfo	Scalar	Server asset tag	1.3.6.1.4.1.3902.6053.19.1.3.2.46

Child Node

For a description of the child node of boardAssetTagInfo, refer to [Table 2-209](#).

Table 2-209 boardAssetTagInfo—Child Node

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
boardAssetTag	Asset tag	1.3.6.1.4.1.3902.6053.19.1.3.2.46.1	No	DisplayString

Asset Tag: boardAssetTag

For a description of this child node, refer to [Table 2-210](#).

Table 2-210 Asset Tag: boardAssetTag

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.46.1	No	DisplayString	Read/Write	Space size	1..63

Example:

```
***** SNMP QUERY STARTED *****
1: boardAssetTag.0 (octet string) 2230-RE-21 [32.32.33.30.2D.52.45.2D.32.31 (hex)]
***** SNMP QUERY FINISHED *****
```

2.1.29 Server Cooling Mode: coolingModePolicy

Parent Node

For a description of the parent node coolingModePolicy, refer to [Table 2-211](#).

Table 2-211 coolingModePolicy—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
coolingModePolicy	Scalar	Server cooling mode	1.3.6.1.4.1.3902.6053.19.1.3.2.47

Child Node

For a description of the child node of coolingModePolicy, refer to [Table 2-212](#).

Table 2-212 coolingModePolicy—Child Node

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
coolingMode	Cooling mode	1.3.6.1.4.1.3902.6053.19.1.3.2.47.1	No	Unsigned32

Cooling Mode: coolingMode

For a description of this child node, refer to [Table 2-213](#).

Table 2-213 Cooling Mode: coolingMode

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1.9.1.3.2.47.1	No	Unsigned32	Read/Write	Single value	normalMode(0) highPerformanceMode(1) lowNoiseMode(2)

Example:

```
***** SNMP QUERY STARTED *****
1: coolingMode.0 (gauge) highPerformanceMode(1)
***** SNMP QUERY FINISHED *****
```

2.1.30 GPU Information: gpulInfo**Parent Node**

For a description of the parent node gpulInfo, refer to [Table 2-214](#).

Table 2-214 gpulInfo—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
gpulInfo	Tabular	GPU information	1.3.6.1.4.1.3902.6053.19.1.3.2.48

Child Node

For a description of the child nodes of gpulInfo, refer to [Table 2-215](#).

Table 2-215 gpuInfo—Child Nodes

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
gpuPcieSlot	GPU PCle slot	1.3.6.1.4.1.3902.6053.19.1.3.2.48.1.1	Yes	Unsigned32
gpuId	GPU ID	1.3.6.1.4.1.3902.6053.19.1.3.2.48.1.2	Yes	Unsigned32
gpuMarketingName	GPU device model	1.3.6.1.4.1.3902.6053.19.1.3.2.48.1.3	No	DisplayString
gpuPartNum	GPU part number	1.3.6.1.4.1.3902.6053.19.1.3.2.48.1.4	No	DisplayString
gpuSerialNum	GPU serial number	1.3.6.1.4.1.3902.6053.19.1.3.2.48.1.5	No	DisplayString
gpuFirmwareVer	GPU firmware version number	1.3.6.1.4.1.3902.6053.19.1.3.2.48.1.6	No	DisplayString
gpuBuildDate	GPU manufacture date	1.3.6.1.4.1.3902.6053.19.1.3.2.48.1.7	No	DisplayString
gpuCurrentPower	Current power value of the GPU	1.3.6.1.4.1.3902.6053.19.1.3.2.48.1.8	No	Integer32
gpuCurrentTemp	Current temperature of the GPU	1.3.6.1.4.1.3902.6053.19.1.3.2.48.1.9	No	Unsigned32
gpuMemorySize	GPU memory size	1.3.6.1.4.1.3902.6053.19.1.3.2.48.1.10	No	Integer32
gpuManufacture	GPU manufacturer	1.3.6.1.4.1.3902.6053.19.1.3.2.48.1.11	No	DisplayString

GPU PCIe Slot: gpuPcieSlot

For a description of this child node, refer to [Table 2-216](#).

Table 2-216 GPU PCIe Slot: gpuPcieSlot

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.48.1.1	Yes	Unsigned32	Read-only	Value range	1..64

Example:

```
***** SNMP QUERY STARTED *****
1: gpuPcieSlot.6.0 (gauge) 6
```

```
***** SNMP QUERY FINISHED *****
```

GPU ID: gpuld

For a description of this child node, refer to [Table 2-217](#).

Table 2-217 GPU ID: gpuld

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1 9.1.3.2.48.1.2	Yes	Unsigned32	Read-only	Value range	1..64

Example:

```
***** SNMP QUERY STARTED *****
1: gpuld.6.0 (gauge) 0
***** SNMP QUERY FINISHED *****
```

GPU Device Model: gpuMarketingName

For a description of this child node, refer to [Table 2-218](#).

Table 2-218 GPU Device Model: gpuMarketingName

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19 .1.3.2.48.1.3	No	DisplayString	Read-only	Space size	1..25

Example:

```
***** SNMP QUERY STARTED *****
1: gpuMarketingName.6.0 (octet string) Quadro P1000
[51.75.61.64.72.6F.20.50.31.30.30.30 (hex)]
***** SNMP QUERY FINISHED *****
```

GPU Part Number: gpuPartNum

For a description of this child node, refer to [Table 2-219](#).

Table 2-219 GPU Part Number: gpuPartNum

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1 9.1.3.2.48.1.4	No	DisplayString	Read-only	Space size	1..17

Example:

```
***** SNMP QUERY STARTED *****
1: gpuPartNum.6.0 (octet string) 1CB1-860-A1 [31.43.42.31.2D.38.36.30.2D.41.31
(hex)]
***** SNMP QUERY FINISHED *****
```

GPU Serial Number: gpuSerialNum

For a description of this child node, refer to [Table 2-220](#).

Table 2-220 GPU Serial Number: gpuSerialNum

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.48.1.5	No	DisplayString	Read-only	Space size	1..17

Example:

```
***** SNMP QUERY STARTED *****
1: gpuSerialNum.6.0 (octet string) 1323219007903
[31.33.32.33.32.31.39.30.30.37.39.30.33 (hex)]
***** SNMP QUERY FINISHED *****
```

GPU Firmware Version Number: gpuFirmwareVer

For a description of this child node, refer to [Table 2-221](#).

Table 2-221 GPU Firmware Version Number: gpuFirmwareVer

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.48.1.6	No	DisplayString	Read-only	Space size	1..15

Example:

```
***** SNMP QUERY STARTED *****
1: gpuFirmwareVer.6.0 (octet string) (zero-length)
***** SNMP QUERY FINISHED *****
```

GPU Manufacture Date: gpuBuildDate

For a description of this child node, refer to [Table 2-222](#).

Table 2-222 GPU Manufacture Date: gpuBuildDate

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19 .1.3.2.48.1.7	No	DisplayString	Read-only	Space size	1..11

Example:

```
***** SNMP QUERY STARTED *****
1: gpuBuildDate.6.0 (octet string) -- [2D.2D (hex)]
***** SNMP QUERY FINISHED *****
```

Current GPU Power Value: gpuCurrentPower

For a description of this child node, refer to [Table 2-223](#).

Table 2-223 Current GPU Power Value: gpuCurrentPower

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19 .1.3.2.48.1.8	No	Integer32	Read-only	Single value	na(-1)

Example:

```
***** SNMP QUERY STARTED *****
1: gpuCurrentPower.6.0 (integer) na(-1)
***** SNMP QUERY FINISHED *****
```

Current GPU Temperature: gpuCurrentTemp

For a description of this child node, refer to [Table 2-224](#).

Table 2-224 Current GPU Temperature: gpuCurrentTemp

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19 .1.3.2.48.1.9	No	Unsigned32	Read-only	Single value	na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: gpuCurrentTemp.6.0 (gauge) 0
***** SNMP QUERY FINISHED *****
```

GPU Memory Size: gpuMemorySize

For a description of this child node, refer to [Table 2-225](#).

Table 2-225 GPU Memory Size: gpuMemorySize

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.48.1.10	No	Integer32	Read-only	Value range	0..65535

Example:

```
***** SNMP QUERY STARTED *****
1: gpuMemorySize.6.0 (integer) 4
***** SNMP QUERY FINISHED *****
```

GPU Manufacturer: gpuManufacture

For a description of this child node, refer to [Table 2-226](#).

Table 2-226 GPU Manufacturer: gpuManufacture

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.48.1.11	No	DisplayString	Read-only	Space size	1..32

Example:

```
***** SNMP QUERY STARTED *****
1: gpuManufacture.6.0 (octet string) Nvidia [4E.76.69.64.69.61 (hex)]
***** SNMP QUERY FINISHED *****
```

2.1.31 Alarm Information: alarmInfo**Parent Node**

For a description of the parent node alarmInfo, refer to [Table 2-227](#).

Table 2-227 alarmInfo—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
alarmInfo	Tabular	Alarm information	1.3.6.1.4.1.3902.6053.19.1.3.2.51

Child Node

For a description of the child nodes of alarmInfo, refer to [Table 2-228](#).

Table 2-228 alarmInfo—Child Nodes

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
alarmID	Alarm ID	1.3.6.1.4.1.3902.6053.19.1.3.2.51.1.1	Yes	Unsigned32
alarmTime	Alarm time	1.3.6.1.4.1.3902.6053.19.1.3.2.51.1.2	No	DisplayString
alarmType	Alarm flag	1.3.6.1.4.1.3902.6053.19.1.3.2.51.1.3	No	Unsigned32
restoreType	Restoration type	1.3.6.1.4.1.3902.6053.19.1.3.2.51.1.4	No	Unsigned32
alarmLevel	Alarm level	1.3.6.1.4.1.3902.6053.19.1.3.2.51.1.5	No	Unsigned32
deviceType	Device type	1.3.6.1.4.1.3902.6053.19.1.3.2.51.1.6	No	Unsigned32
deviceID	Device ID	1.3.6.1.4.1.3902.6053.19.1.3.2.51.1.7	No	Unsigned32
reserved1	Reserved field	1.3.6.1.4.1.3902.6053.19.1.3.2.51.1.8	No	Unsigned32
reserved2	Reserved field	1.3.6.1.4.1.3902.6053.19.1.3.2.51.1.9	No	Unsigned32
reserved3	Reserved field	1.3.6.1.4.1.3902.6053.19.1.3.2.51.1.10	No	Unsigned32
reserved4	Reserved field	1.3.6.1.4.1.3902.6053.19.1.3.2.51.1.11	No	Unsigned32
crcCode1	CRC code 1	1.3.6.1.4.1.3902.6053.19.1.3.2.51.1.12	No	Unsigned32
crcCode2	CRC code 2	1.3.6.1.4.1.3902.6053.19.1.3.2.51.1.13	No	Unsigned32
crcCode3	CRC code 3	1.3.6.1.4.1.3902.6053.19.1.3.2.51.1.14	No	Unsigned32
crcCode4	CRC code 4	1.3.6.1.4.1.3902.6053.19.1.3.2.51.1.15	No	Unsigned32

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
reserved5	Reserved field	1.3.6.1.4.1.3902.6053.19.1.3.2.51.1.16	No	Unsigned32
reserved6	Reserved field	1.3.6.1.4.1.3902.6053.19.1.3.2.51.1.17	No	Unsigned32
trapOid	Trap OID	1.3.6.1.4.1.3902.6053.19.1.3.2.51.1.18	No	DisplayString
alarmDescription	Alarm description	1.3.6.1.4.1.3902.6053.19.1.3.2.51.1.19	No	DisplayString
alarmUTCTime	Alarm UTC time	1.3.6.1.4.1.3902.6053.19.1.3.2.51.1.20	No	DisplayString

Alarm ID: alarmID

For a description of this child node, refer to [Table 2-229](#).

Table 2-229 Alarm ID: alarmID

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.51.1.1	Yes	Unsigned32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: alarmID.4195 (gauge) 4195
2: alarmID.4197 (gauge) 4197
3: alarmID.4198 (gauge) 4198
4: alarmID.4199 (gauge) 4199
5: alarmID.4200 (gauge) 4200
6: alarmID.4201 (gauge) 4201
7: alarmID.4202 (gauge) 4202
8: alarmID.4205 (gauge) 4205
***** SNMP QUERY FINISHED *****
```

Alarm Time: alarmTime

For a description of this child node, refer to [Table 2-230](#).

Table 2-230 Alarm Time: alarmTime

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.51.1.2	No	DisplayString	Read-only	Space size	0..64

Example:

```
***** SNMP QUERY STARTED *****
1: alarmTime.4195 (octet string) 2021-01-10 11:03:42
[32.30.32.31.2D.30.31.2D.31.30.20.31.31.3A.30.33.3A.34.32 (hex)]
2: alarmTime.4197 (octet string) 2021-01-10 11:04:16
[32.30.32.31.2D.30.31.2D.31.30.20.31.31.3A.30.34.3A.31.36 (hex)]
3: alarmTime.4198 (octet string) 2021-01-10 11:04:18
[32.30.32.31.2D.30.31.2D.31.30.20.31.31.3A.30.34.3A.31.38 (hex)]
4: alarmTime.4199 (octet string) 2021-01-10 11:05:46
[32.30.32.31.2D.30.31.2D.31.30.20.31.31.3A.30.35.3A.34.36 (hex)]
5: alarmTime.4200 (octet string) 2021-01-10 11:05:48
[32.30.32.31.2D.30.31.2D.31.30.20.31.31.3A.30.35.3A.34.38 (hex)]
6: alarmTime.4201 (octet string) 2021-01-10 11:06:22
[32.30.32.31.2D.30.31.2D.31.30.20.31.31.3A.30.36.3A.32.32 (hex)]
7: alarmTime.4202 (octet string) 2021-01-10 11:06:24
[32.30.32.31.2D.30.31.2D.31.30.20.31.31.3A.30.36.3A.32.34 (hex)]
8: alarmTime.4205 (octet string) 2021-01-28 18:22:21
[32.30.32.31.2D.30.31.2D.32.38.20.31.38.3A.32.32.3A.32.31 (hex)]
***** SNMP QUERY FINISHED *****
```

Alarm Flag: alarmType

For a description of this child node, refer to [Table 2-231](#).

Table 2-231 Alarm Flag: alarmType

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.51.1.3	No	Unsigned32	Read-only	Single value	alarm(1)

Example:

```
***** SNMP QUERY STARTED *****
1: alarmType.4195 (gauge) alarm(1)
2: alarmType.4197 (gauge) alarm(1)
3: alarmType.4198 (gauge) alarm(1)
4: alarmType.4199 (gauge) alarm(1)
```

```

5: alarmType.4200 (gauge) alarm(1)
6: alarmType.4201 (gauge) alarm(1)
7: alarmType.4202 (gauge) alarm(1)
8: alarmType.4205 (gauge) alarm(1)
***** SNMP QUERY FINISHED *****

```

Restoration Type: restoreType

For a description of this child node, refer to [Table 2-232](#).

Table 2-232 Restoration Type: restoreType

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.605 3.19.1.3.2.51.1.4	No	Unsigned32	Read-only	Single value	na(0) normalRestore(1) bmcRebootRestore(8)

Example:

```

***** SNMP QUERY STARTED *****
1: restoreType.4195 (gauge) na(0)
2: restoreType.4197 (gauge) na(0)
3: restoreType.4198 (gauge) na(0)
4: restoreType.4199 (gauge) na(0)
5: restoreType.4200 (gauge) na(0)
6: restoreType.4201 (gauge) na(0)
7: restoreType.4202 (gauge) na(0)
8: restoreType.4205 (gauge) na(0)
***** SNMP QUERY FINISHED *****

```

Alarm Level: alarmLevel

For a description of this child node, refer to [Table 2-233](#).

Table 2-233 Alarm Level: alarmLevel

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.60 53.19.1.3.2.51.1.5	No	Unsigned32	Read-only	Single value	na(0) critical(1) major(2) unknown(3) minor(4) inform(5)

Example:

***** SNMP QUERY STARTED *****

1: alarmLevel.4195 (gauge) major(2)
 2: alarmLevel.4197 (gauge) minor(4)
 3: alarmLevel.4198 (gauge) minor(4)
 4: alarmLevel.4199 (gauge) major(2)
 5: alarmLevel.4200 (gauge) major(2)
 6: alarmLevel.4201 (gauge) minor(4)
 7: alarmLevel.4202 (gauge) minor(4)
 8: alarmLevel.4205 (gauge) minor(4)

***** SNMP QUERY FINISHED *****

Device Type: deviceType

For a description of this child node, refer to [Table 2-234](#).

Table 2-234 Device Type: deviceType

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.60 53.19.1.3.2.51.1.6	No	Unsigned32	Read-only	Single value	mainBoard(0) psu(1) fan(4) cpu(64) disk(65) memory(66) ioModule(67) gpu(68) smartCard(69) aiCard(70) mainBoardNicCard(71) mainBoardOpcCard(72) device(193)

Example:

***** SNMP QUERY STARTED *****

1: deviceType.4195 (gauge) disk(65)
 2: deviceType.4197 (gauge) memory(66)
 3: deviceType.4198 (gauge) memory(66)
 4: deviceType.4199 (gauge) disk(65)
 5: deviceType.4200 (gauge) disk(65)
 6: deviceType.4201 (gauge) ioModule(67)
 7: deviceType.4202 (gauge) ioModule(67)
 8: deviceType.4205 (gauge) ioModule(67)

```
***** SNMP QUERY FINISHED *****
```

Device ID: deviceID

For a description of this child node, refer to [Table 2-235](#).

Table 2-235 Device ID: deviceID

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.51.1.7	No	Unsigned32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: deviceID.4195 (gauge) 5
2: deviceID.4197 (gauge) 1
3: deviceID.4198 (gauge) 2
4: deviceID.4199 (gauge) 30
5: deviceID.4200 (gauge) 31
6: deviceID.4201 (gauge) 0
7: deviceID.4202 (gauge) 0
8: deviceID.4205 (gauge) 0
***** SNMP QUERY FINISHED *****
```

Reserved Field: reserved1

For a description of this child node, refer to [Table 2-236](#).

Table 2-236 Reserved Field: reserved1

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.51.1.8	No	Unsigned32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: reserved1.4195 (gauge) 0
2: reserved1.4197 (gauge) 0
3: reserved1.4198 (gauge) 0
4: reserved1.4199 (gauge) 0
5: reserved1.4200 (gauge) 0
6: reserved1.4201 (gauge) 0
7: reserved1.4202 (gauge) 0
8: reserved1.4205 (gauge) 0
```

```
***** SNMP QUERY FINISHED *****
```

Reserved Field: reserved2

For a description of this child node, refer to [Table 2-237](#).

Table 2-237 Reserved Field: reserved2

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.51.1.9	No	Unsigned32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: reserved2.4195 (gauge) 0
2: reserved2.4197 (gauge) 0
3: reserved2.4198 (gauge) 0
4: reserved2.4199 (gauge) 0
5: reserved2.4200 (gauge) 0
6: reserved2.4201 (gauge) 0
7: reserved2.4202 (gauge) 0
8: reserved2.4205 (gauge) 0
***** SNMP QUERY FINISHED *****
```

Reserved Field: reserved3

For a description of this child node, refer to [Table 2-238](#).

Table 2-238 Reserved Field: reserved3

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.51.1.10	No	Unsigned32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: reserved3.4195 (gauge) 0
2: reserved3.4197 (gauge) 0
3: reserved3.4198 (gauge) 0
4: reserved3.4199 (gauge) 0
5: reserved3.4200 (gauge) 0
6: reserved3.4201 (gauge) 0
7: reserved3.4202 (gauge) 0
8: reserved3.4205 (gauge) 0
```

```
***** SNMP QUERY FINISHED *****
```

Reserved Field: reserved4

For a description of this child node, refer to [Table 2-239](#).

Table 2-239 Reserved Field: reserved4

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.51.1.11	No	Unsigned32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: reserved4.4195 (gauge) 0
2: reserved4.4197 (gauge) 0
3: reserved4.4198 (gauge) 0
4: reserved4.4199 (gauge) 0
5: reserved4.4200 (gauge) 0
6: reserved4.4201 (gauge) 0
7: reserved4.4202 (gauge) 0
8: reserved4.4205 (gauge) 0
***** SNMP QUERY FINISHED *****
```

CRC Check Code 1: crcCode1

For a description of this child node, refer to [Table 2-240](#).

Table 2-240 CRC Check Code 1: crcCode1

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.51.1.12	No	Unsigned32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: crcCode1.4195 (gauge) 925183736
2: crcCode1.4197 (gauge) 2391169220
3: crcCode1.4198 (gauge) 3400937200
4: crcCode1.4199 (gauge) 2151366651
5: crcCode1.4200 (gauge) 3263042909
6: crcCode1.4201 (gauge) 2387505503
7: crcCode1.4202 (gauge) 1097647306
8: crcCode1.4205 (gauge) 658604715
```

```
***** SNMP QUERY FINISHED *****
```

CRC Check Code 2: crcCode2

For a description of this child node, refer to [Table 2-241](#).

Table 2-241 CRC Check Code 2: crcCode2

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.51.1.13	No	Unsigned32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: crcCode2.4195 (gauge) 0
2: crcCode2.4197 (gauge) 0
3: crcCode2.4198 (gauge) 0
4: crcCode2.4199 (gauge) 0
5: crcCode2.4200 (gauge) 0
6: crcCode2.4201 (gauge) 0
7: crcCode2.4202 (gauge) 0
8: crcCode2.4205 (gauge) 0
***** SNMP QUERY FINISHED *****
```

CRC Check Code 3: crcCode3

For a description of this child node, refer to [Table 2-242](#).

Table 2-242 CRC Check Code 3: crcCode3

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.51.1.14	No	Unsigned32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: crcCode3.4195 (gauge) 0
2: crcCode3.4197 (gauge) 0
3: crcCode3.4198 (gauge) 0
4: crcCode3.4199 (gauge) 0
5: crcCode3.4200 (gauge) 0
6: crcCode3.4201 (gauge) 0
7: crcCode3.4202 (gauge) 0
8: crcCode3.4205 (gauge) 0
```

```
***** SNMP QUERY FINISHED *****
```

CRC Check Code 4: crcCode4

For a description of this child node, refer to [Table 2-243](#).

Table 2-243 CRC Check Code 4: crcCode4

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.51.1.15	No	Unsigned32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: crcCode4.4195 (gauge) 0
2: crcCode4.4197 (gauge) 0
3: crcCode4.4198 (gauge) 0
4: crcCode4.4199 (gauge) 0
5: crcCode4.4200 (gauge) 0
6: crcCode4.4201 (gauge) 0
7: crcCode4.4202 (gauge) 0
8: crcCode4.4205 (gauge) 0
***** SNMP QUERY FINISHED *****
```

Reserved Field: reserved5

For a description of this child node, refer to [Table 2-244](#).

Table 2-244 Reserved Field: reserved5

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.51.1.16	No	Unsigned32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: reserved5.4195 (gauge) 0
2: reserved5.4197 (gauge) 0
3: reserved5.4198 (gauge) 0
4: reserved5.4199 (gauge) 0
5: reserved5.4200 (gauge) 0
6: reserved5.4201 (gauge) 0
7: reserved5.4202 (gauge) 0
8: reserved5.4205 (gauge) 0
```

***** SNMP QUERY FINISHED *****

Reserved Field: reserved6

For a description of this child node, refer to [Table 2-245](#).

Table 2-245 Reserved Field: reserved6

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.51.1.17	No	Unsigned32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: reserved6.4195 (gauge) 0
2: reserved6.4197 (gauge) 0
3: reserved6.4198 (gauge) 0
4: reserved6.4199 (gauge) 0
5: reserved6.4200 (gauge) 0
6: reserved6.4201 (gauge) 0
7: reserved6.4202 (gauge) 0
8: reserved6.4205 (gauge) 0
***** SNMP QUERY FINISHED *****
```

Trap OID: trapOid

For a description of this child node, refer to [Table 2-246](#).

Table 2-246 Trap OID: trapOid

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.51.1.18	No	DisplayString	Read-only	Space size	0..64

Example:

```
***** SNMP QUERY STARTED *****
1: trapOid.4195 (octet string) 1.3.6.1.4.1.3902.6053.19.1.3.11.1.5800
[31.2E.33.2E.36.2E.31.2E.34.2E.31.2E.33.39.30.32.2E.36.30.35.33.2E.31.39.2E.31.2E.33.2E.31.31.2E.31.2E.35.38.30.30 (hex)]
2: trapOid.4197 (octet string) 1.3.6.1.4.1.3902.6053.19.1.3.11.1.30759
[31.2E.33.2E.36.2E.31.2E.34.2E.31.2E.33.39.30.32.2E.36.30.35.33.2E.31.39.2E.31.2E.33.2E.31.31.2E.31.2E.33.30.37.35.39 (hex)]
3: trapOid.4198 (octet string) 1.3.6.1.4.1.3902.6053.19.1.3.11.1.30759
[31.2E.33.2E.36.2E.31.2E.34.2E.31.2E.33.39.30.32.2E.36.30.35.33.2E.31.39.2E.31.2E.33.2E.31.31.2E.31.2E.33.30.37.35.39 (hex)]
```

```
E.33.2E.31.31.2E.31.2E.33.30.37.35.39 (hex)]
***** SNMP QUERY FINISHED *****
```

Alarm Description: alarmDescription

For a description of this child node, refer to [Table 2-247](#).

Table 2-247 Alarm Description: alarmDescription

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19 .1.3.2.51.1.19	No	DisplayString	Read-only	Space size	0..128

Example:

```
***** SNMP QUERY STARTED *****
1: alarmDescription.4195 (octet string) hard disk 5 is extracted.
[68.61.72.64.20.64.69.73.6B.20.35.20.69.73.20.65.78.74.72.61.63.74.65.64.2E(hex)]
2: alarmDescription.4197 (octet string) Memory (DIMM1) is isolated by BIOS.
[4D.65.6D.6F.72.79.20.28.44.49.4D.4D.31.29.20.69.73.20.69.73.6F.6C.61.74.65.64.2
0.62.79.20.42.49.4F.53.2E (hex)]
3: alarmDescription.4198 (octet string) Memory (DIMM2) is isolated by BIOS.
[4D.65.6D.6F.72.79.20.28.44.49.4D.4D.32.29.20.69.73.20.69.73.6F.6C.61.74.65.64.2
0.62.79.20.42.49.4F.53.2E (hex)]
***** SNMP QUERY FINISHED *****
```

Alarm UTC Time: alarmUTCTime

For a description of this child node, refer to [Table 2-248](#).

Table 2-248 Alarm UTC Time: alarmUTCTime

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19 .1.3.2.51.1.20	No	DisplayString	Read-only	Space size	0..64

Example:

```
***** SNMP QUERY STARTED *****
1: alarmUTCTime.4195 (octet string) 2021-01-10 03:03:42
[32.30.32.31.2D.30.31.2D.31.30.20.30.33.3A.30.33.3A.34.32 (hex)]
2: alarmUTCTime.4197 (octet string) 2021-01-10 03:04:16
[32.30.32.31.2D.30.31.2D.31.30.20.30.33.3A.30.34.3A.31.36 (hex)]
3: alarmUTCTime.4198 (octet string) 2021-01-10 03:04:18
[32.30.32.31.2D.30.31.2D.31.30.20.30.33.3A.30.34.3A.31.38 (hex)]
4: alarmUTCTime.4199 (octet string) 2021-01-10 03:05:46
```

```
[32.30.32.31.2D.30.31.2D.31.30.20.30.33.3A.30.35.3A.34.36 (hex)]
5: alarmUTCTime.4200 (octet string) 2021-01-10 03:05:48
[32.30.32.31.2D.30.31.2D.31.30.20.30.33.3A.30.35.3A.34.38 (hex)]
6: alarmUTCTime.4201 (octet string) 2021-01-10 03:06:22
[32.30.32.31.2D.30.31.2D.31.30.20.30.33.3A.30.36.3A.32.32 (hex)]
7: alarmUTCTime.4202 (octet string) 2021-01-10 03:06:24
[32.30.32.31.2D.30.31.2D.31.30.20.30.33.3A.30.36.3A.32.34 (hex)]
8: alarmUTCTime.4205 (octet string) 2021-01-28 10:22:21
[32.30.32.31.2D.30.31.2D.32.38.20.31.30.3A.32.32.3A.32.31 (hex)]
***** SNMP QUERY FINISHED *****
```

2.1.32 PCIe Device Quantity: pcieSlotCount

Parent Node

For a description of the parent node pcieSlotCount, refer to [Table 2-249](#).

Table 2-249 pcieSlotCount—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
pcieSlotCount	Scalar	PCIe device quantity	1.3.6.1.4.1.3902.6053.19.1.3.2.55

Child Node

For a description of the child node of pcieSlotCount, refer to [Table 2-250](#).

Table 2-250 pcieSlotCount—Child Node

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
totalPcieSlotCount	PCIe slot quantity	1.3.6.1.4.1.3902.6053.19.1.3.2.55.1	No	Unsigned32
maxPcieSlotCount	PCIe slot maximum number	1.3.6.1.4.1.3902.6053.19.1.3.2.55.2	No	Unsigned32

PCIe Slot Quantity: totalPcieSlotCount

For a description of this child node, refer to [Table 2-251](#).

Table 2-251 PCIe Slot Quantity: totalPcieSlotCount

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.55.1	No	Unsigned32	Read-only	Single value	na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: totalPcieSlotCount.0 (gauge) 5
***** SNMP QUERY FINISHED *****
```

PCIe Slot Maximum Number: maxPcieSlotCount

For a description of this child node, refer to [Table 2-252](#).

Table 2-252 PCIe Slot Maximum Number: maxPcieSlotCount

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1 9.1.3.2.55.2	No	Unsigned32	Read-only	Single value	na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: maxPcieSlotCount.0 (gauge) 10
***** SNMP QUERY FINISHED *****
```

2.1.33 PCIe Slot Information: pcieSlotInfo

Parent Node

For a description of the parent node pcieSlotInfo, refer to [Table 2-253](#).

Table 2-253 pcieSlotInfo—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
pcieSlotInfo	Tabular	PCIe slot information	1.3.6.1.4.1.3902.6053.19 .1.3.2.56

Child Node

For a description of the child nodes of pcieSlotInfo, refer to [Table 2-254](#).

Table 2-254 pcieSlotInfo—Child Node

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
pcieSlotIndex	PCIe slot	1.3.6.1.4.1.3902.6053.19 .1.3.2.56.1	Yes	Unsigned32
pcieSlotSpeed	PCIe speed	1.3.6.1.4.1.3902.6053.19 .1.3.2.56.2	No	DisplayString

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
pcieSlotIdentifier	PCIe user identifier	1.3.6.1.4.1.3902.6053.19. .1.3.2.56.3	No	DisplayString

PCIe Slot: pcieSlotIndex

For a description of this child node, refer to [Table 2-255](#).

Table 2-255 PCIe Slot: pcieSlotIndex

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19. 1.3.2.56.1	Yes	Unsigned32	Read-only	Value range	1..255

Example:

```
***** SNMP QUERY STARTED *****
1: pcieSlotIndex.4 (gauge) 4
2: pcieSlotIndex.5 (gauge) 5
3: pcieSlotIndex.6 (gauge) 6
4: pcieSlotIndex.7 (gauge) 7
5: pcieSlotIndex.8 (gauge) 8
***** SNMP QUERY FINISHED *****
```

PCIe Speed: pcieSlotSpeed

For a description of this child node, refer to [Table 2-256](#).

Table 2-256 PCIe Speed: pcieSlotSpeed

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1 9.1.3.2.56.2	No	DisplayString	Read-only	Space size	0..63

Example:

```
***** SNMP QUERY STARTED *****
1: pcieSlotSpeed.4 (octet string) X8 [58.38 (hex)]
2: pcieSlotSpeed.5 (octet string) X8 [58.38 (hex)]
3: pcieSlotSpeed.6 (octet string) X8 [58.38 (hex)]
4: pcieSlotSpeed.7 (octet string) X16 [58.31.36 (hex)]
5: pcieSlotSpeed.8 (octet string) X8 [58.38 (hex)]
***** SNMP QUERY FINISHED *****
```

PCIe User Identifier: pcieSlotIdentifier

For a description of this child node, refer to [Table 2-257](#).

Table 2-257 PCIe User Identifier: pcieSlotIdentifier

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.56.3	No	DisplayString	Read-only	Space size	0..63

Example:

```

***** SNMP QUERY STARTED *****
1: pcieSlotIdentifier.4 (octet string) RISER2-PCIE SLOT4
[52.49.53.45.52.32.2D.50.43.49.45.20.53.4C.4F.54.34 (hex)]
2: pcieSlotIdentifier.5 (octet string) RISER2-PCIE SLOT5
[52.49.53.45.52.32.2D.50.43.49.45.20.53.4C.4F.54.35 (hex)]
3: pcieSlotIdentifier.6 (octet string) RISER2-PCIE SLOT6
[52.49.53.45.52.32.2D.50.43.49.45.20.53.4C.4F.54.36 (hex)]
4: pcieSlotIdentifier.7 (octet string) PCIE SLOT7 [50.43.49.45.20.53.4C.4F.54.37 (hex)]
5: pcieSlotIdentifier.8 (octet string) PCIE SLOT8 [50.43.49.45.20.53.4C.4F.54.38 (hex)]
***** SNMP QUERY FINISHED *****

```

2.1.34 GUID Information: boardGuidInfo**Parent Node**

For a description of the parent node boardGuidInfo, refer to [Table 2-258](#).

Table 2-258 boardGuidInfo—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
boardGuidInfo	Scalar	GUID information	1.3.6.1.4.1.3902.6053.19.1.3.2.58

Child Node

For a description of the child node of boardGuidInfo, refer to [Table 2-259](#).

Table 2-259 boardGuidInfo—Child Node

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
guidInfo	GUID information	1.3.6.1.4.1.3902.6053.19.1.3.2.58.1	No	DisplayString

GUID Information: guidInfo

For a description of this child node, refer to [Table 2-260](#).

Table 2-260 GUID Information: guidInfo

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.58.1	No	DisplayString	Read-only	Space size	2..63

Example:

[illegible]

2.2 Hard Disk Query Operations

2.2.1 Physical Disk Information: pdInfo

Parent Node

For a description of the parent node `pdInfo`, refer to [Table 2-261](#).

Table 2-261 pdInfo—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
pdInfo	Tabular	Physical disk information	1.3.6.1.4.1.3902.6053.19.1.3.2.37

Child Node

For a description of the child nodes of `pdInfo`, refer to [Table 2-262](#).

Table 2-262 pdInfo—Child Nodes

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
pdControllerIndex	Controller ID	1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.1	No	Unsigned32
pdSlot	Hard disk slot number (higher 16 bits indicate area information, and	1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.2	Yes	Unsigned32

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
	lower 16 bits indicate silk screen)			
pdNegoLinkSpeed	Hard disk connection speed	1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.3	No	Unsigned32
pdMediaType	Hard disk media type	1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.4	No	Unsigned32
pdRotateRate	Hard disk speed	1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.5	No	Unsigned32
pdTemperature	Hard disk temperature	1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.6	No	Unsigned32
pdStatusInController	Hard disk status	1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.7	No	Unsigned32
pdHealth	Hard disk health status	1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.8	No	Unsigned32
pdModelInfo	Hard disk model	1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.9	No	DisplayString
pdVendorInfo	Hard disk vendor information	1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.10	No	DisplayString
pdSerialNumber	Hard disk serial number	1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.11	No	DisplayString
pdFirmwareVersion	Hard disk firmware version number	1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.12	No	DisplayString
pdAPortSasAddress	Hard disk SAS address (PMC Not Supported)	1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.13	No	DisplayString
pdInterfaceType	Hard disk interface type	1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.14	No	Unsigned32
pdDiskSize	Hard disk size	1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.15	No	Unsigned32
pdRawCapacity	Hard disk capacity (GB)	1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.16	No	Unsigned32
pdLifeUsed	Hard disk life (0xff: Not supported)	1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.17	No	Unsigned32

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
pdSlotInCtrl	Hard disk ID in the controller	1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.18	No	Unsigned32
pdPartNum	Hard disk part number	1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.19	No	DisplayString
pdCapableSpeedGbs	Maximum hard disk speed	1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.20	No	Unsigned32
pdLocationInfo	Hard disk silkscreen information	1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.21	No	DisplayString
pdDiskLocater	Hard disk slot (for the PMC, the format is as follows: controller slot:controller port:cabinet ID:hard disk slot reported by the controller; for the LSI, the format is as follows: controller slot:cabinet ID:hard disk slot reported by the controller)	1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.22	No	DisplayString
pdLifeRemained	Remaining use life	1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.23	No	Unsigned32
pdMediaErrCount	Number of hard disk media errors	1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.24	No	Unsigned32
pdOtherErrCount	Number of other errors	1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.25	No	Unsigned32
pdPrefailErrCount	Number of predicted failure errors	1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.26	No	Unsigned32
pdRawCapacity-Bytes	Raw disk capacity (in bytes)	1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.27	No	DisplayString
pdStatusIsForeign	Whether the hard disk is a foreign disk	1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.28	No	Unsigned32

Controller ID: pdControllerIndex

For a description of this child node, refer to [Table 2-263](#).

Table 2-263 Controller ID: pdControllerIndex

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19 .1.3.2.37.1.1	No	Unsigned32	Read-only	Single value	na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: pdControllerIndex.0 (gauge) na(255)
2: pdControllerIndex.2 (gauge) 0
3: pdControllerIndex.3 (gauge) 0
4: pdControllerIndex.6 (gauge) 0
5: pdControllerIndex.7 (gauge) 0
6: pdControllerIndex.8 (gauge) na(255)
7: pdControllerIndex.9 (gauge) 0
8: pdControllerIndex.10 (gauge) na(255)
9: pdControllerIndex.11 (gauge) 0
***** SNMP QUERY FINISHED *****
```

Hard Disk Slot Number: pdSlot

For a description of this child node, refer to [Table 2-264](#).

Table 2-264 Hard Disk Slot Number: pdSlot

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19 .1.3.2.37.1.2	Yes	Unsigned32	Read-only	Single value	na(16711935)

Example:

```
***** SNMP QUERY STARTED *****
1: pdSlot.0 (gauge) 0
2: pdSlot.2 (gauge) 2
3: pdSlot.3 (gauge) 3
4: pdSlot.6 (gauge) 6
5: pdSlot.7 (gauge) 7
6: pdSlot.8 (gauge) 8
7: pdSlot.9 (gauge) 9
8: pdSlot.10 (gauge) 10
9: pdSlot.11 (gauge) 11
***** SNMP QUERY FINISHED *****
```

Hard Disk Connection Speed: pdNegoLinkSpeed

For a description of this child node, refer to [Table 2-265](#).

Table 2-265 Hard Disk Connection Speed: pdNegoLinkSpeed

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.3	No	Unsigned32	Read-only	Single value	speed3G(0) speed6G(1) speed12G(2) speed1p5G(3) speed8G(5) speed16G(6) speed32G(7) speed24G(8) na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: pdNegoLinkSpeed.0 (gauge) na(255)
2: pdNegoLinkSpeed.2 (gauge) speed6G(1)
3: pdNegoLinkSpeed.3 (gauge) speed6G(1)
4: pdNegoLinkSpeed.6 (gauge) speed6G(1)
5: pdNegoLinkSpeed.7 (gauge) speed6G(1)
6: pdNegoLinkSpeed.8 (gauge) na(255)
7: pdNegoLinkSpeed.9 (gauge) speed6G(1)
8: pdNegoLinkSpeed.10 (gauge) na(255)
9: pdNegoLinkSpeed.11 (gauge) speed6G(1)
***** SNMP QUERY FINISHED *****
```

Hard Disk Media Type: pdMediaType

For a description of this child node, refer to [Table 2-266](#).

Table 2-266 Hard Disk Media Type: pdMediaType

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.4	No	Unsigned32	Read-only	Single value	hdd(0) ssd(1) ssmFlash(2) na(255)

Example:

```
***** SNMP QUERY STARTED *****
```

```

1: pdMediaType.0 (gauge) ssd(1)
2: pdMediaType.2 (gauge) hdd(0)
3: pdMediaType.3 (gauge) hdd(0)
4: pdMediaType.6 (gauge) hdd(0)
5: pdMediaType.7 (gauge) hdd(0)
6: pdMediaType.8 (gauge) ssd(1)
7: pdMediaType.9 (gauge) hdd(0)
8: pdMediaType.10 (gauge) ssd(1)
9: pdMediaType.11 (gauge) hdd(0)
***** SNMP QUERY FINISHED *****

```

Hard Disk Speed: pdRotateRate

For a description of this child node, refer to [Table 2-267](#).

Table 2-267 Hard Disk Speed: pdRotateRate

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.605 3.19.1.3.2.37.1.5	No	Unsigned32	Read-only	Single value	speed5400RPM(0) speed7200RPM(1) speed10000RPM(2) speed10025RPM(3) speed15000RPM(4) ssd(5) speed10500RPM(6) speed10520RPM(7) speed15030RPM(8) speed15052RPM(9) na(255)

Example:

```

***** SNMP QUERY STARTED *****
1: pdRotateRate.0 (gauge) na(255)
2: pdRotateRate.2 (gauge) speed15000RPM(4)
3: pdRotateRate.3 (gauge) speed7200RPM(1)
4: pdRotateRate.6 (gauge) speed7200RPM(1)
5: pdRotateRate.7 (gauge) speed7200RPM(1)

```

```

6: pdRotateRate.8 (gauge) na(255)
7: pdRotateRate.9 (gauge) speed7200RPM(1)
8: pdRotateRate.10 (gauge) na(255)
9: pdRotateRate.11 (gauge) speed7200RPM(1)
***** SNMP QUERY FINISHED *****

```

Hard Disk Temperature: pdTemperature

For a description of this child node, refer to [Table 2-268](#).

Table 2-268 Hard Disk Temperature: pdTemperature

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.6	No	Unsigned32	Read-only	Single value	na(255)

Example:

```

***** SNMP QUERY STARTED *****
1: pdTemperature.0 (gauge) 43
2: pdTemperature.2 (gauge) 36
3: pdTemperature.3 (gauge) 34
4: pdTemperature.6 (gauge) 34
5: pdTemperature.7 (gauge) 33
6: pdTemperature.8 (gauge) 37
7: pdTemperature.9 (gauge) 35
8: pdTemperature.10 (gauge) 45
9: pdTemperature.11 (gauge) 34
***** SNMP QUERY FINISHED *****

```

Hard Disk Status: pdStatusInController

For a description of this child node, refer to [Table 2-269](#).

Table 2-269 Hard Disk Status: pdStatusInController

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.7	No	Unsigned32	Read-only	Single value	unconfiguredGood(0) unconfiguredBad(1) online(2) rebuilding(3) offline(4) globalHSP(5) failed(6)

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
					raw(7) ready(8) dead(9) dedicatedHSP(10) foreign(12) jbod(13) configuredShielded(14) unknown(15) journal(16) active(17) copyBack(18) failedDueToPSA(19) unsupportedNoLicense(20) predictiveFailure(21) predictiveFailureWornOut(22) transientDrive(23) erasingOffline(24) invalidDriveSize(25) firmwareUpdateRequired(26) exposedToOS(27) maskedWithInvalidCCM(28) unsupportedForConfig(29) rebuildQueued(30) ok(31) na(11)

Example:

***** SNMP QUERY STARTED *****

1: pdStatusInController.0 (gauge) na(11)
2: pdStatusInController.2 (gauge) foreign(12)
3: pdStatusInController.3 (gauge) online(2)
4: pdStatusInController.6 (gauge) online(2)
5: pdStatusInController.7 (gauge) online(2)
6: pdStatusInController.8 (gauge) na(11)
7: pdStatusInController.9 (gauge) online(2)

```

8: pdStatusInController.10 (gauge) na(11)
9: pdStatusInController.11 (gauge) unconfiguredGood(0)
***** SNMP QUERY FINISHED *****

```

Hard Disk Health Status: pdHealth

For a description of this child node, refer to [Table 2-270](#).

Table 2-270 Hard Disk Health Status: pdHealth

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1 9.1.3.2.37.1.8	No	Unsigned32	Read-only	Single value	ok(0) warning(1) na(255)

Example:

```

***** SNMP QUERY STARTED *****
1: pdHealth.0 (gauge) na(255)
2: pdHealth.2 (gauge) ok(0)
3: pdHealth.3 (gauge) ok(0)
4: pdHealth.6 (gauge) ok(0)
5: pdHealth.7 (gauge) ok(0)
6: pdHealth.8 (gauge) na(255)
7: pdHealth.9 (gauge) ok(0)
8: pdHealth.10 (gauge) na(255)
9: pdHealth.11 (gauge) ok(0)
***** SNMP QUERY FINISHED *****

```

Hard Disk Model: pdModelInfo

For a description of this child node, refer to [Table 2-271](#).

Table 2-271 Hard Disk Model: pdModelInfo

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19 .1.3.2.37.1.9	No	DisplayString	Read-only	Space size	0..40

Example:

```

***** SNMP QUERY STARTED *****
1: pdModelInfo.0 (octet string) HUSMR7616BDP301
[48.55.53.4D.52.37.36.31.36.42.44.50.33.30.31 (hex)]
2: pdModelInfo.2 (octet string) ST3600057SS [53.54.33.36.30.30.30.35.37.53.53
(hex)]

```

```

3: pdModelInfo.3 (octet string) HGST HUS726060AL
[48.47.53.54.20.48.55.53.37.32.36.30.36.30.41.4C (hex)]
4: pdModelInfo.6 (octet string) HGST HUS726060AL
[48.47.53.54.20.48.55.53.37.32.36.30.36.30.41.4C (hex)]
5: pdModelInfo.7 (octet string) HGST HUS726060AL
[48.47.53.54.20.48.55.53.37.32.36.30.36.30.41.4C (hex)]
6: pdModelInfo.8 (octet string) INTEL SSDPE2KE032T8
[49.4E.54.45.4C.20.53.53.44.50.45.32.4B.45.30.33.32.54.38 (hex)]
7: pdModelInfo.9 (octet string) HGST HUS726060AL
[48.47.53.54.20.48.55.53.37.32.36.30.36.30.41.4C (hex)]
8: pdModelInfo.10 (octet string) HUSMR7632BDP301
[48.55.53.4D.52.37.36.33.32.42.44.50.33.30.31 (hex)]
9: pdModelInfo.11 (octet string) HGST HUS726060AL
[48.47.53.54.20.48.55.53.37.32.36.30.36.30.41.4C (hex)]
***** SNMP QUERY FINISHED *****

```

Hard Disk Vendor Information: pdVendorInfo

For a description of this child node, refer to [Table 2-272](#).

Table 2-272 Hard Disk Vendor Information: pdVendorInfo

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.10	No	DisplayString	Read-only	Space size	0..16

Example:

```

***** SNMP QUERY STARTED *****
1: pdVendorInfo.0 (octet string) HGST [48.47.53.54 (hex)]
2: pdVendorInfo.2 (octet string) SEAGATE [53.45.41.47.41.54.45 (hex)]
3: pdVendorInfo.3 (octet string) ATA [41.54.41 (hex)]
4: pdVendorInfo.6 (octet string) ATA [41.54.41 (hex)]
5: pdVendorInfo.7 (octet string) ATA [41.54.41 (hex)]
6: pdVendorInfo.8 (octet string) INTEL [49.4E.54.45.4C (hex)]
7: pdVendorInfo.9 (octet string) ATA [41.54.41 (hex)]
8: pdVendorInfo.10 (octet string) HGST [48.47.53.54 (hex)]
9: pdVendorInfo.11 (octet string) ATA [41.54.41 (hex)]
***** SNMP QUERY FINISHED *****

```

Hard Disk Serial Number: pdSerialNumber

For a description of this child node, refer to [Table 2-273](#).

Table 2-273 Hard Disk Serial Number: pdSerialNumber

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.11	No	DisplayString	Read-only	Space size	0..20

Example:

```
***** SNMP QUERY STARTED *****
1: pdSerialNumber.0 (octet string) SDM000002981
[53.44.4D.30.30.30.30.32.39.38.31 (hex)]
2: pdSerialNumber.2 (octet string) 6SL3V4QS [36.53.4C.33.56.34.51.53 (hex)]
3: pdSerialNumber.3 (octet string) K8JTB4SN [4B.38.4A.54.42.34.53.4E (hex)]
4: pdSerialNumber.6 (octet string) K8JSW9RN [4B.38.4A.53.57.39.52.4E (hex)]
5: pdSerialNumber.7 (octet string) K8JSJU4N [4B.38.4A.53.4A.55.34.4E (hex)]
6: pdSerialNumber.8 (octet string) BTLN813207EB3P2BGN
[42.54.4C.4E.38.31.33.32.30.37.45.42.33.50.32.42.47.4E (hex)]
7: pdSerialNumber.9 (octet string) K8JVA86N [4B.38.4A.56.41.38.36.4E (hex)]
8: pdSerialNumber.10 (octet string) SDM00000B9B0
[53.44.4D.30.30.30.30.30.42.39.42.30 (hex)]
9: pdSerialNumber.11 (octet string) K8JU4WLN [4B.38.4A.55.34.57.4C.4E (hex)]
***** SNMP QUERY FINISHED *****
```

Hard Disk Firmware Version Number: pdFirmwareVersion

For a description of this child node, refer to [Table 2-274](#).

Table 2-274 Hard Disk Firmware Version Number: pdFirmwareVersion

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.12	No	DisplayString	Read-only	Space size	0..4

Example:

```
***** SNMP QUERY STARTED *****
1: pdFirmwareVersion.0 (octet string) na [6E.61 (hex)]
2: pdFirmwareVersion.2 (octet string) 0008 [30.30.30.38 (hex)]
3: pdFirmwareVersion.3 (octet string) TD05 [54.44.30.35 (hex)]
4: pdFirmwareVersion.6 (octet string) TD05 [54.44.30.35 (hex)]
5: pdFirmwareVersion.7 (octet string) TD05 [54.44.30.35 (hex)]
6: pdFirmwareVersion.8 (octet string) na [6E.61 (hex)]
7: pdFirmwareVersion.9 (octet string) TD05 [54.44.30.35 (hex)]
8: pdFirmwareVersion.10 (octet string) na [6E.61 (hex)]
9: pdFirmwareVersion.11 (octet string) TD05 [54.44.30.35 (hex)]
```

```
***** SNMP QUERY FINISHED *****
```

Hard Disk SAS Address: pdAPortSasAddress

For a description of this child node, refer to [Table 2-275](#).

Table 2-275 Hard Disk SAS Address: pdAPortSasAddress

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.13	No	DisplayString	Read-only	Space size	0..17

Example:

```
***** SNMP QUERY STARTED *****
1: pdAPortSasAddress.0 (octet string) na [6E.61 (hex)]
2: pdAPortSasAddress.2 (octet string) 5000c5004c90ed59
[35.30.30.30.63.35.30.30.34.63.39.30.65.64.35.39 (hex)]
3: pdAPortSasAddress.3 (octet string) 300062b201db71c8
[33.30.30.30.36.32.62.32.30.31.64.62.37.31.63.38 (hex)]
4: pdAPortSasAddress.6 (octet string) 300062b201db71cd
[33.30.30.30.36.32.62.32.30.31.64.62.37.31.63.64 (hex)]
5: pdAPortSasAddress.7 (octet string) 300062b201db71cc
[33.30.30.30.36.32.62.32.30.31.64.62.37.31.63.63 (hex)]
6: pdAPortSasAddress.8 (octet string) na [6E.61 (hex)]
7: pdAPortSasAddress.9 (octet string) 300062b201db71c3
[33.30.30.30.36.32.62.32.30.31.64.62.37.31.63.33 (hex)]
8: pdAPortSasAddress.10 (octet string) na [6E.61 (hex)]
9: pdAPortSasAddress.11 (octet string) 300062b201db71c0
[33.30.30.30.36.32.62.32.30.31.64.62.37.31.63.30 (hex)]
***** SNMP QUERY FINISHED *****
```

Hard Disk Interface Type: pdInterfaceType

For a description of this child node, refer to [Table 2-276](#).

Table 2-276 Hard Disk Interface Type: pdInterfaceType

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.14	No	Unsigned32	Read-only	Single value	na(0) parallelSCSI(1) sas(2) sata(3) fc(4) pcie(5)

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
					nvme(6)

Example:

```
***** SNMP QUERY STARTED *****
1: pdInterfaceType.0 (gauge) pcie(5)
2: pdInterfaceType.2 (gauge) sas(2)
3: pdInterfaceType.3 (gauge) sata(3)
4: pdInterfaceType.6 (gauge) sata(3)
5: pdInterfaceType.7 (gauge) sata(3)
6: pdInterfaceType.8 (gauge) pcie(5)
7: pdInterfaceType.9 (gauge) sata(3)
8: pdInterfaceType.10 (gauge) pcie(5)
9: pdInterfaceType.11 (gauge) sata(3)
***** SNMP QUERY FINISHED *****
```

Hard Disk Size: pdDiskSize

For a description of this child node, refer to [Table 2-277](#).

Table 2-277 Hard Disk Size: pdDiskSize

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053. 19.1.3.2.37.1.15	No	Unsigned32	Read-only	Single value	size2p5(0) size3p5(1) size80x22x3p5(2) size22x110(3) na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: pdDiskSize.0 (gauge) na(255)
2: pdDiskSize.2 (gauge) size3p5(1)
3: pdDiskSize.3 (gauge) size3p5(1)
4: pdDiskSize.6 (gauge) size3p5(1)
5: pdDiskSize.7 (gauge) size3p5(1)
6: pdDiskSize.8 (gauge) na(255)
7: pdDiskSize.9 (gauge) size3p5(1)
8: pdDiskSize.10 (gauge) na(255)
9: pdDiskSize.11 (gauge) size3p5(1)
***** SNMP QUERY FINISHED *****
```

Hard Disk Capacity: pdRawCapacity

For a description of this child node, refer to [Table 2-278](#).

Table 2-278 Hard Disk Capacity: pdRawCapacity

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.16	No	Unsigned32	Read-only	Single value	na(0)

Example:

```
***** SNMP QUERY STARTED *****
1: pdRawCapacity.0 (gauge) 1600
2: pdRawCapacity.2 (gauge) 600
3: pdRawCapacity.3 (gauge) 6000
4: pdRawCapacity.6 (gauge) 6000
5: pdRawCapacity.7 (gauge) 6000
6: pdRawCapacity.8 (gauge) 3200
7: pdRawCapacity.9 (gauge) 6000
8: pdRawCapacity.10 (gauge) 3200
9: pdRawCapacity.11 (gauge) 6000
***** SNMP QUERY FINISHED *****
```

Hard Disk Life: pdLifeUsed

For a description of this child node, refer to [Table 2-279](#).

Table 2-279 Hard Disk Life: pdLifeUsed

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.17	No	Unsigned32	Read-only	Single value	na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: pdLifeUsed.0 (gauge) 3
2: pdLifeUsed.2 (gauge) na(255)
3: pdLifeUsed.3 (gauge) na(255)
4: pdLifeUsed.6 (gauge) na(255)
5: pdLifeUsed.7 (gauge) na(255)
6: pdLifeUsed.8 (gauge) 0
7: pdLifeUsed.9 (gauge) na(255)
8: pdLifeUsed.10 (gauge) 2
```

```
9: pdLifeUsed.11 (gauge) na(255)
***** SNMP QUERY FINISHED *****
```

Hard Disk ID in Controller: pdSlotInCtrl

For a description of this child node, refer to [Table 2-280](#).

Table 2-280 Hard Disk ID in Controller: pdSlotInCtrl

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.18	No	Unsigned32	Read-only	Single value	na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: pdSlotInCtrl.0 (gauge) na(255)
2: pdSlotInCtrl.2 (gauge) 66
3: pdSlotInCtrl.3 (gauge) 70
4: pdSlotInCtrl.6 (gauge) 72
5: pdSlotInCtrl.7 (gauge) 71
6: pdSlotInCtrl.8 (gauge) na(255)
7: pdSlotInCtrl.9 (gauge) 69
8: pdSlotInCtrl.10 (gauge) na(255)
9: pdSlotInCtrl.11 (gauge) 68
***** SNMP QUERY FINISHED *****
```

Hard Disk Part Number: pdPartNum

For a description of this child node, refer to [Table 2-281](#).

Table 2-281 Hard Disk Part Number: pdPartNum

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.19	No	Unsigned32	Read-only	Single value	0..20

Example:

```
***** SNMP QUERY STARTED *****
1: pdPartNum.0 (octet string) na [6E.61 (hex)]
2: pdPartNum.1 (octet string) na [6E.61 (hex)]
3: pdPartNum.2 (octet string) na [6E.61 (hex)]
4: pdPartNum.3 (octet string) na [6E.61 (hex)]
5: pdPartNum.4 (octet string) na [6E.61 (hex)]
6: pdPartNum.5 (octet string) na [6E.61 (hex)]
```

```

7: pdPartNum.6 (octet string) na [6E.61 (hex)]
8: pdPartNum.7 (octet string) na [6E.61 (hex)]
9: pdPartNum.8 (octet string) na [6E.61 (hex)]
10: pdPartNum.9 (octet string) na [6E.61 (hex)]
***** SNMP QUERY FINISHED *****

```

Maximum Hard Disk Speed: pdCapableSpeedGbs

For a description of this child node, refer to [Table 2-282](#).

Table 2-282 Maximum Hard Disk Speed: pdCapableSpeedGbs

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.20	NO	Unsigned32	readonly	Single value	na(0) speed-3(2) speed-6(3) speed-12(4) speed-8(5) speed-16(6) speed-32(7) speed24G(8)

Example:

```

***** SNMP QUERY STARTED *****
1: pdCapableSpeedGbs.0 (gauge) 8
2: pdCapableSpeedGbs.1 (gauge) 8
***** SNMP QUERY FINISHED *****

```

Hard Disk Silkscreen Information: pdLocationInfo

For a description of this child node, refer to [Table 2-283](#).

Table 2-283 Hard Disk Silkscreen Information: pdLocationInfo

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.21	No	DisplayString	Read-only	Space size	0..16

Example:

```

***** SNMP QUERY STARTED *****
1: pdLocationInfo.0 (octet string) Disk0 [44.69.73.6B.30 (hex)]
2: pdLocationInfo.1 (octet string) Disk1 [44.69.73.6B.31 (hex)]
3: pdLocationInfo.2 (octet string) Disk2 [44.69.73.6B.32 (hex)]
4: pdLocationInfo.3 (octet string) Disk3 [44.69.73.6B.33 (hex)]

```

```
***** SNMP QUERY FINISHED *****
```

Hard Disk Slot: pdDiskLocator

For a description of this child node, refer to [Table 2-284](#).

Table 2-284 Hard Disk Slot: pdDiskLocator

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.22	No	DisplayString	Read-only	Space size	0..64

Example:

```
***** SNMP QUERY STARTED *****
3: pdDiskLocator.4 (octet string) OnBoard Slot1 : CN2 : EID1 : Slot4
[4F.6E.42.6F.61.72.64.20.53.6C.6F.74.31.20.3A.
20.43.4E.32.20.3A.20.45.49.44.31.20.3A.20.53.6C.6F.74.34 (hex)]
4: pdDiskLocator.6 (octet string) OnBoard Slot1 : CN2 : EID1 : Slot6
[4F.6E.42.6F.61.72.64.20.53.6C.6F.74.31.20.3A.
20.43.4E.32.20.3A.20.45.49.44.31.20.3A.20.53.6C.6F.74.36 (hex)]
5: pdDiskLocator.8 (octet string) OnBoard Slot1 : CN2 : EID1 : Slot8
[4F.6E.42.6F.61.72.64.20.53.6C.6F.74.31.20.3A.
20.43.4E.32.20.3A.20.45.49.44.31.20.3A.20.53.6C.6F.74.38 (hex)]
***** SNMP QUERY FINISHED *****
```

Remaining Use Life: pdLifeRemained

For a description of this child node, refer to [Table 2-285](#).

Table 2-285 Remaining Use Life: pdLifeRemained

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.23	No	Unsigned32	Read-only	Single value	na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: pdLifeRemained.0 (gauge) 100
2: pdLifeRemained.2 (gauge) na(255)
3: pdLifeRemained.3 (gauge) na(255)
4: pdLifeRemained.6 (gauge) na(255)
5: pdLifeRemained.7 (gauge) na(255)
6: pdLifeRemained.8 (gauge) 98
7: pdLifeRemained.9 (gauge) na(255)
```

```

8: pdLifeRemained.10 (gauge) 100
9: pdLifeRemained.11 (gauge) na(255)
***** SNMP QUERY FINISHED *****

```

Number of Hard Disk Media Errors: pdMediaErrCount

For a description of this child node, refer to [Table 2-286](#).

Table 2-286 Number of Hard Disk Media Errors: pdMediaErrCount

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.24	No	Unsigned32	Read-only	Single value	na(65535)

Example:

```

***** SNMP QUERY STARTED *****
1: pdMediaErrCount.0 (gauge) 0
2: pdMediaErrCount.2 (gauge) na(65535)
3: pdMediaErrCount.3 (gauge) na(65535)
***** SNMP QUERY FINISHED *****

```

Number of Other Errors: pdOtherErrCount

For a description of this child node, refer to [Table 2-287](#).

Table 2-287 Number of Other Errors: pdOtherErrCount

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.25	No	Unsigned32	Read-only	Single value	na(65535)

Example:

```

***** SNMP QUERY STARTED *****
1: pdOtherErrCount.0 (gauge) 0
2: pdOtherErrCount.2 (gauge) na(65535)
3: pdOtherErrCount.3 (gauge) 0
***** SNMP QUERY FINISHED *****

```

Number of Predicted Failure Errors: pdPrefailErrCount

For a description of this child node, refer to [Table 2-288](#).

Table 2-288 Number of Predicted Failure Errors: pdPrefailErrCount

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.26	No	Unsigned32	Read-only	Single value	na(65535)

Example:

```
***** SNMP QUERY STARTED *****
1: pdPrefailErrCount.0 (gauge) 0
2: pdPrefailErrCount.2 (gauge) na(65535)
3: pdPrefailErrCount.3 (gauge) 0
***** SNMP QUERY FINISHED *****
```

Raw Disk Capacity (in Bytes): pdRawCapacityBytes

For a description of this child node, refer to [Table 2-289](#).

Table 2-289 Raw Disk Capacity (in Bytes): pdRawCapacityBytes

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.27	No	DisplayString	Read-only	Space size	0..64

Example:

```
***** SNMP QUERY STARTED *****
1: pdRawCapacityBytes.0 (octet string) 3840000000000 [33.38.34.30.30.30.30.30.30.30.30.30 (hex)]
2: pdRawCapacityBytes.2 (octet string) 8001563222016 [38.30.30.31.35.36.33.32.32.32.30.31.36 (hex)]
3: pdRawCapacityBytes.5 (octet string) 8001563222016 [38.30.30.31.35.36.33.32.32.32.30.31.36 (hex)]
***** SNMP QUERY FINISHED *****
```

Whether the hard disk is a foreign disk: pdStatusIsForeign

For a description of this child node, refer to [Table 2-290](#).

Table 2-290 Whether the hard disk is a foreign disk: pdStatusIsForeign

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.37.1.28	NO	Unsigned32	read-only	Single value	false(0) true(1) na(255)

Example:

```
***** SNMP QUERY STARTED *****
```

```

1: pdStatusIsForeign.9 (gauge) true(1)
2: pdStatusIsForeign.10 (gauge) false(0)
3: pdStatusIsForeign.11 (gauge) na(255)
***** SNMP QUERY FINISHED *****

```

2.2.2 Logical Disk Information: IdInfo

Parent Node

For a description of the parent node IdInfo, refer to [Table 2-291](#).

Table 2-291 IdInfo—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
IdInfo	Tabular	Logical disk information	1.3.6.1.4.1.3902.6053.19.1.3.2.38

Child Node

For a description of the child nodes of IdInfo, refer to [Table 2-292](#).

Table 2-292 IdInfo—Child Nodes

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
IdControllerIndex	Controller ID	1.3.6.1.4.1.3902.6053.19.1.3.2.38.1.1	Yes	Unsigned32
virtualDriveIndex	Logical disk ID	1.3.6.1.4.1.3902.6053.19.1.3.2.38.1.2	Yes	Unsigned32
raidLevel	RAID level	1.3.6.1.4.1.3902.6053.19.1.3.2.38.1.3	No	Unsigned32
memDiskNum	Member disk quantity	1.3.6.1.4.1.3902.6053.19.1.3.2.38.1.4	No	Unsigned32
IdState	Logical disk status	1.3.6.1.4.1.3902.6053.19.1.3.2.38.1.5	No	Unsigned32
rebuildProgInfo	Rebuild progress	1.3.6.1.4.1.3902.6053.19.1.3.2.38.1.6	No	Unsigned32
IdIOPolicy	I/O policy	1.3.6.1.4.1.3902.6053.19.1.3.2.38.1.7	No	Unsigned32
IdPad	Reserved field	1.3.6.1.4.1.3902.6053.19.1.3.2.38.1.8	No	Unsigned32
IdAccessPolicy	Access policy	1.3.6.1.4.1.3902.6053.19.1.3.2.38.1.9	No	Unsigned32

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
IdDiskCachePolicy	Member disk cache policy	1.3.6.1.4.1.3902.6053.19.1.3.2.38.1.10	No	Unsigned32
IdReadAheadPolicy	Read policy	1.3.6.1.4.1.3902.6053.19.1.3.2.38.1.11	No	Unsigned32
IdWritePolicy	Write policy	1.3.6.1.4.1.3902.6053.19.1.3.2.38.1.12	No	Unsigned32
IdMemDiskSlot	Member disk information (If bit n is 1, the disk in slot n is the member disk of this RAID, and only server model 2230-RE supports this function. If the value is 0, this function is not supported.)	1.3.6.1.4.1.3902.6053.19.1.3.2.38.1.13	No	Unsigned32
IdStripeSize	Stripe size	1.3.6.1.4.1.3902.6053.19.1.3.2.38.1.14	No	Unsigned32
IdCapacity	Logical disk capacity	1.3.6.1.4.1.3902.6053.19.1.3.2.38.1.15	No	Unsigned32
virtualDriveName	Logical disk name	1.3.6.1.4.1.3902.6053.19.1.3.2.38.1.16	No	DisplayString
vdIndexInCtrl	Logical disk ID in the controller	1.3.6.1.4.1.3902.6053.19.1.3.2.38.1.17	No	Unsigned32

Controller ID: IdControllerIndex

For a description of this child node, refer to [Table 2-293](#).

Table 2-293 Controller ID: IdControllerIndex

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.38.1.1	Yes	Unsigned32	Read-only	Value range	0..15

Example:

```
***** SNMP QUERY STARTED *****
```

```
1: IdControllerIndex.0.0 (gauge) 0
***** SNMP QUERY FINISHED *****
```

Logical Disk ID: virtualDriveIndex

For a description of this child node, refer to [Table 2-294](#).

Table 2-294 Logical Disk ID: virtualDriveIndex

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.38.1.2	Yes	Unsigned32	Read-only	Value range	0..64

Example:

```
***** SNMP QUERY STARTED *****
1: virtualDriveIndex.0.0 (gauge) 0
***** SNMP QUERY FINISHED *****
```

RAID Level: raidLevel

For a description of this child node, refer to [Table 2-295](#).

Table 2-295 RAID Level: raidLevel

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.38.1.3	No	Unsigned32	Read-only	Single value	raid0(0) raid1(1) raid5(5) raid6(6) raid00(16) raid10(17) raid1E(18) raid50(19) raid60(20) raid1E-rlq0(21) na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: raidLevel.0.0 (gauge) raid6(6)
***** SNMP QUERY FINISHED *****
```

Member Disk Quantity: memDiskNum

For a description of this child node, refer to [Table 2-296](#).

Table 2-296 Member Disk Quantity: memDiskNum

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1 9.1.3.2.38.1.4	No	Unsigned32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: memDiskNum.0.0 (gauge) 4
***** SNMP QUERY FINISHED *****
```

Logical Disk Status: IdState

For a description of this child node, refer to [Table 2-297](#).

Table 2-297 Logical Disk Status: IdState

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902 .6053.19.1.3.2.3 8.1.5	No	Unsigned32	Read-only	Single value	optimal(0) degraded(1) offline(2) failed(3) partiallyDegraded(4) initializing(5) clean(6) active(7) recovering(8) resyncing(9) reshaping(10) checking(11) ok(12) notConfigured(13) interimRecovery(14) readyForRecovery(15) wrongDriveReplaced(16) driveImproperlyConnected(17)

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
					hardwareIsOverheating(18) hardwareHasOverheated(19) expanding(20) notYetAvailable(21) queuedForExpansion(22) disabledFromSCSIIDConflict(23) ejected(24) eraseInProgress(25) unused(26) readyToPerformPredictiveSpareRebuild(27) rPIInProgress(28) rPIQueued(29) encryptedVolumeWithoutKey(30) plaintextVolumeRejectedInEncryptingMode(31) encryptionMigration(32) encryptedVolumeRekeying(33) encryptedVolumeEncryptionOff(34) volumeEncodeRequested(35) encryptedVolumeRekeyRequested(36) unsupportedOnThisController(37) na(255)

Example:

***** SNMP QUERY STARTED *****

1: IdState.0.0 (gauge) optimal(0)

```
***** SNMP QUERY FINISHED *****
```

Rebuild Progress: rebuildProgInfo

For a description of this child node, refer to [Table 2-298](#).

Table 2-298 Rebuild Progress: rebuildProgInfo

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1.9.1.3.2.38.1.6	No	Unsigned32	Read-only	Single value	na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: rebuildProgInfo.0.0 (gauge) na(255)
***** SNMP QUERY FINISHED *****
```

I/O Policy: IdIOPolicy

For a description of this child node, refer to [Table 2-299](#).

Table 2-299 I/O Policy: IdIOPolicy

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.38.1.7	No	Unsigned32	Read-only	Single value	cacheIO(0) directIO(1) na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: IdIOPolicy.0.0 (gauge) directIO(1)
***** SNMP QUERY FINISHED *****
```

Reserved Field: IdPad

For a description of this child node, refer to [Table 2-300](#).

Table 2-300 Reserved Field: IdPad

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.38.1.8	No	Unsigned32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
```

```
1: IdPad.0.0 (gauge) 0
```

```
***** SNMP QUERY FINISHED *****
```

Access Policy: IdAccessPolicy

For a description of this child node, refer to [Table 2-301](#).

Table 2-301 Access Policy: IdAccessPolicy

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.38.1.9	No	Unsigned32	Read-only	Single value	readWrite(0) readOnly(1) blocked(2) na(255)

Example:

```
***** SNMP QUERY STARTED *****
```

```
1: IdAccessPolicy.0.0 (gauge) readWrite(0)
```

```
***** SNMP QUERY FINISHED *****
```

Member Disk Cache Policy: IdDiskCachePolicy

For a description of this child node, refer to [Table 2-302](#).

Table 2-302 Member Disk Cache Policy: IdDiskCachePolicy

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.38.1.10	No	Unsigned32	Read-only	Single value	unchanged(0) enable(1) disable(2) na(255)

Example:

```
***** SNMP QUERY STARTED *****
```

```
1: IdDiskCachePolicy.0.0 (gauge) unChanged(0)
```

```
***** SNMP QUERY FINISHED *****
```

Read Policy: IdReadAheadPolicy

For a description of this child node, refer to [Table 2-303](#).

Table 2-303 Read Policy: IdReadAheadPolicy

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.38.1.11	No	Unsigned32	Read-only	Single value	noReadAhead(0) readAhead(1) na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: IdReadAheadPolicy.0.0 (gauge) noReadAhead(0)
***** SNMP QUERY FINISHED *****
```

Write Policy: IdWritePolicy

For a description of this child node, refer to [Table 2-304](#).

Table 2-304 Write Policy: IdWritePolicy

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.38.1.12	No	Unsigned32	Read-only	Single value	writeThrough(0) writeBack(1) alwaysWriteBack(2) na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: IdWritePolicy.0.0 (gauge) writeThrough(0)
***** SNMP QUERY FINISHED *****
```

Member Disk Information: IdMemDiskSlot

For a description of this child node, refer to [Table 2-305](#).

Table 2-305 Member Disk Information: IdMemDiskSlot

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.38.1.13	No	Unsigned32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
```

```
1: IdMemDiskSlot.0.0 (gauge) 712
***** SNMP QUERY FINISHED *****
```

Stripe Size: IdStripeSize

For a description of this child node, refer to [Table 2-306](#).

Table 2-306 Stripe Size: IdStripeSize

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.38.1.14	No	Unsigned32	Read-only	Single value	na(65535)

Example:

```
***** SNMP QUERY STARTED *****
1: IdStripeSize.0.0 (gauge) 256
***** SNMP QUERY FINISHED *****
```

The query result is described as follows:

Stripe size (in KB)

Logical Disk Capacity: IdCapacity

For a description of this child node, refer to [Table 2-307](#).

Table 2-307 Logical Disk Capacity: IdCapacity

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.38.1.15	No	Unsigned32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: IdCapacity.0.0 (gauge) 12001
***** SNMP QUERY FINISHED *****
```

The query result is described as follows:

Logical disk capacity (in GB)

Logical Disk Name: virtualDriveName

For a description of this child node, refer to [Table 2-308](#).

Table 2-308 Logical Disk Name: virtualDriveName

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19 .1.3.2.38.1.16	No	Unsigned32	Read-only	Space size	0..16

Example:

```
***** SNMP QUERY STARTED *****
1: virtualDriveName.0.0 (octet string) sdcd [73.64.63.64 (hex)]
***** SNMP QUERY FINISHED *****
```

Logical Disk ID: vdIndexInCtrl

For a description of this child node, refer to [Table 2-309](#).

Table 2-309 Logical Disk ID: vdIndexInCtrl

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1 9.1.3.2.38.1.17	No	Unsigned32	Read-only	Value range	0..254

Example:

```
***** SNMP QUERY STARTED *****
1: vdIndexInCtrl.0.0 (gauge) 0
***** SNMP QUERY FINISHED *****
```

2.2.3 AIC Card Information: nvmeAddInCardInfo

Parent Node

For a description of the parent node nvmeAddInCardInfo, refer to [Table 2-310](#).

Table 2-310 nvmeAddInCardInfo—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
nvmeAddInCardInfo	Tabular	AIC card information	1.3.6.1.4.1.3902.6053.19 .1.3.2.49

Child Node

For a description of the child nodes of nvmeAddInCardInfo, refer to [Table 2-311](#).

Table 2-311 nvmeAddInCardInfo—Child Nodes

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
pcieSlot	PCIe slot number	1.3.6.1.4.1.3902.6053.19.1.3.2.49.1.1	Yes	Unsigned32
aicMediaType	Media type	1.3.6.1.4.1.3902.6053.19.1.3.2.49.1.2	No	Unsigned32
aicTemperature	Temperature	1.3.6.1.4.1.3902.6053.19.1.3.2.49.1.3	No	Unsigned32
aicHealth	Health status	1.3.6.1.4.1.3902.6053.19.1.3.2.49.1.4	No	Unsigned32
aicModelInfo	Model	1.3.6.1.4.1.3902.6053.19.1.3.2.49.1.5	No	DisplayString
aicVendorInfo	Vendor	1.3.6.1.4.1.3902.6053.19.1.3.2.49.1.6	No	DisplayString
aicSerialNumber	Sequence number	1.3.6.1.4.1.3902.6053.19.1.3.2.49.1.7	No	DisplayString
aicRawCapacity	Capacity (GB)	1.3.6.1.4.1.3902.6053.19.1.3.2.49.1.8	No	Unsigned32
aicLifeUsed	Used life	1.3.6.1.4.1.3902.6053.19.1.3.2.49.1.9	No	Unsigned32
aicInterfaceType	Interface type	1.3.6.1.4.1.3902.6053.19.1.3.2.49.1.10	No	Unsigned32
aicPartNumber	Part number	1.3.6.1.4.1.3902.6053.19.1.3.2.49.1.11	No	DisplayString

PCIe Slot Number: pcieSlot

For a description of this child node, refer to [Table 2-312](#).

Table 2-312 PCIe Slot Number: pcieSlot

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.49.1.1	Yes	Unsigned32	Read-only	Value range	1..64

Example:

```
***** SNMP QUERY STARTED *****
1: pcieSlot.8 (gauge) 8
```

```
***** SNMP QUERY FINISHED *****
```

Media Type: **aicMediaType**

For a description of this child node, refer to [Table 2-313](#).

Table 2-313 Media Type: *aicMediaType*

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1 9.1.3.2.49.1.2	No	Unsigned32	Read-only	Single value	hdd(0) ssd(1) ssmFlash(2)

Example:

```
***** SNMP QUERY STARTED *****
1: aicMediaType.1 (gauge) ssd(1)
2: aicMediaType.3 (gauge) ssd(1)
***** SNMP QUERY FINISHED *****
```

Temperature: **aicTemperature**

For a description of this child node, refer to [Table 2-314](#).

Table 2-314 Temperature: *aicTemperature*

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053. 19.1.3.2.49.1.3	No	Unsigned32	Read-only	Single value	na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: aicTemperature.1 (gauge) 47
2: aicTemperature.3 (gauge) 45
***** SNMP QUERY FINISHED *****
```

Health Status: **aicHealth**

For a description of this child node, refer to [Table 2-315](#).

Table 2-315 Health Status: *aicHealth*

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053. 19.1.3.2.49.1.4	No	Unsigned32	Read-only	Single value	ok(0) unhealthy(1)

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
					na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: aicHealth.1 (gauge) na(255)
2: aicHealth.3 (gauge) na(255)
***** SNMP QUERY FINISHED *****
```

Model: aicModelInfo

For a description of this child node, refer to [Table 2-316](#).

Table 2-316 Model: aicModelInfo

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.49.1.5	No	DisplayString	Read-only	Space size	0..40

Example:

```
***** SNMP QUERY STARTED *****
1: aicModelInfo.1 (octet string) HUSMR7632BHP301
[48.55.53.4D.52.37.36.33.32.42.48.50.33.30.31 (hex)]
2: aicModelInfo.3 (octet string) HUSMR7632BHP301
[48.55.53.4D.52.37.36.33.32.42.48.50.33.30.31 (hex)]
***** SNMP QUERY FINISHED *****
```

Vendor: aicVendorInfo

For a description of this child node, refer to [Table 2-317](#).

Table 2-317 Vendor: aicVendorInfo

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.49.1.6	No	DisplayString	Read-only	Space size	0..16

Example:

```
***** SNMP QUERY STARTED *****
1: aicVendorInfo.1 (octet string) HGST [48.47.53.54 (hex)]
2: aicVendorInfo.3 (octet string) HGST [48.47.53.54 (hex)]
***** SNMP QUERY FINISHED *****
```

Serial Number: aicSerialNumber

For a description of this child node, refer to [Table 2-318](#).

Table 2-318 Serial Number: aicSerialNumber

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.49.1.7	No	DisplayString	Read-only	Space size	0..20

Example:

```
***** SNMP QUERY STARTED *****
1: aicSerialNumber.1 (octet string) SDM000063936
[53.44.4D.30.30.30.30.36.33.39.33.36 (hex)]
2: aicSerialNumber.3 (octet string) SDM000069A14
[53.44.4D.30.30.30.30.36.39.41.31.34 (hex)]
***** SNMP QUERY FINISHED *****
```

Capacity: aicRawCapacity

For a description of this child node, refer to [Table 2-319](#).

Table 2-319 Capacity: aicRawCapacity

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.49.1.8	No	Unsigned32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: aicRawCapacity.1 (gauge) 3200
2: aicRawCapacity.3 (gauge) 3200
***** SNMP QUERY FINISHED *****
```

Consumed Life: aicLifeUsed

For a description of this child node, refer to [Table 2-320](#).

Table 2-320 Consumed Life: aicLifeUsed

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.49.1.9	No	Unsigned32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: aicLifeUsed.1 (gauge) 0
2: aicLifeUsed.3 (gauge) 0
***** SNMP QUERY FINISHED *****
```

Interface Type: aicInterfaceType

For a description of this child node, refer to [Table 2-321](#).

Table 2-321 Interface Type: aicInterfaceType

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1 9.1.3.2.49.1.10	No	Unsigned32	Read-only	Single value	na(0) parallelSCSI(1) sas(2) sata(3) fc(4) pcie(5)

Example:

```
***** SNMP QUERY STARTED *****
1: aicInterfaceType.1 (gauge) pcie(5)
2: aicInterfaceType.3 (gauge) pcie(5)
***** SNMP QUERY FINISHED *****
```

Part Number: aicPartNumber

For a description of this child node, refer to [Table 2-322](#).

Table 2-322 Part Number: aicPartNumber

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19. 1.3.2.49.1.11	No	DisplayString	Read-only	Space size	0..20

Example:

```
***** SNMP QUERY STARTED *****
1: aicPartNumber.1 (octet string) na [6E.61 (hex)]
2: aicPartNumber.3 (octet string) na [6E.61 (hex)]
***** SNMP QUERY FINISHED *****
```

2.2.4 Logical Member Disk Information: IdPdMember

Parent Node

For a description of the parent node IdPdMember, refer to [Table 2-323](#).

Table 2-323 IdPdMember—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
IdPdMember	Tabular	Logical member disk information	1.3.6.1.4.1.3902.6053.19.1.3.2.50

Child Node

For a description of the child nodes of IdPdMember, refer to [Table 2-324](#).

Table 2-324 IdPdMember—Child Nodes

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
mdControllerIndex	Controller ID	1.3.6.1.4.1.3902.6053.19.1.3.2.50.1.1	Yes	Unsigned32
logicalDriveIndex	Logical disk ID	1.3.6.1.4.1.3902.6053.19.1.3.2.50.1.2	Yes	Unsigned32
memberDiskSlot	Member disk ID	1.3.6.1.4.1.3902.6053.19.1.3.2.50.1.3	Yes	Unsigned32
mdNegoLinkSpeed	Hard disk connection speed (speed1p5G : speed1.5G)	1.3.6.1.4.1.3902.6053.19.1.3.2.50.1.4	No	Unsigned32
mdMediaType	Hard disk media type	1.3.6.1.4.1.3902.6053.19.1.3.2.50.1.5	No	Unsigned32
mdRotateRate	Hard disk speed	1.3.6.1.4.1.3902.6053.19.1.3.2.50.1.6	No	Unsigned32
mdTemperature	Hard disk temperature	1.3.6.1.4.1.3902.6053.19.1.3.2.50.1.7	No	Unsigned32
mdStatusInController	Hard disk status	1.3.6.1.4.1.3902.6053.19.1.3.2.50.1.8	No	Unsigned32
mdHealth	Hard disk health status	1.3.6.1.4.1.3902.6053.19.1.3.2.50.1.9	No	Unsigned32

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
mdModelInfo	Hard disk model	1.3.6.1.4.1.3902.6053.19.1.3.2.50.1.10	No	DisplayString
mdVendorInfo	Hard disk vendor information	1.3.6.1.4.1.3902.6053.19.1.3.2.50.1.11	No	DisplayString
mdSerialNumber	Hard disk serial number	1.3.6.1.4.1.3902.6053.19.1.3.2.50.1.12	No	DisplayString
mdFirmwareVersion	Hard disk firmware version number	1.3.6.1.4.1.3902.6053.19.1.3.2.50.1.13	No	DisplayString
mdAPortSasAddress	Hard disk SAS address	1.3.6.1.4.1.3902.6053.19.1.3.2.50.1.14	No	DisplayString
mdinterfaceType	Hard disk interface type	1.3.6.1.4.1.3902.6053.19.1.3.2.50.1.15	No	Unsigned32
mdDiskSize	Hard disk size	1.3.6.1.4.1.3902.6053.19.1.3.2.50.1.16	No	Unsigned32
mdRawCapacity	Hard disk capacity (GB)	1.3.6.1.4.1.3902.6053.19.1.3.2.50.1.17	No	Unsigned32
mdLifeUsed	Hard disk life (0xff: not supported)	1.3.6.1.4.1.3902.6053.19.1.3.2.50.1.18	No	Unsigned32
mdUsageInfo	Hard disk usage status (for the PMC only)	1.3.6.1.4.1.3902.6053.19.1.3.2.50.1.19	No	Unsigned32
mdRawCapacityBytes	Raw disk capacity (in bytes)	1.3.6.1.4.1.3902.6053.19.1.3.2.50.1.20	No	DisplayString

Controller ID: mdControllerIndex

For a description of this child node, refer to [Table 2-325](#).

Table 2-325 Controller ID: mdControllerIndex

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.50.1.1	Yes	Unsigned32	Read-only	Single value	na(255)

Example:

```
***** SNMP QUERY STARTED *****
```

```

1: mdControllerIndex.0.0.3 (gauge) 0
2: mdControllerIndex.0.0.6 (gauge) 0
3: mdControllerIndex.0.0.7 (gauge) 0
4: mdControllerIndex.0.0.9 (gauge) 0
***** SNMP QUERY FINISHED *****

```

Logical Disk ID: logicalDriveIndex

For a description of this child node, refer to [Table 2-326](#).

Table 2-326 Logical Disk ID: logicalDriveIndex

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.50.1.2	Yes	Unsigned32	Read-only	Single value	na(255)

Example:

```

***** SNMP QUERY STARTED *****
1: logicalDriveIndex.0.0.3 (gauge) 0
2: logicalDriveIndex.0.0.6 (gauge) 0
3: logicalDriveIndex.0.0.7 (gauge) 0
4: logicalDriveIndex.0.0.9 (gauge) 0
***** SNMP QUERY FINISHED *****

```

Member Disk ID: memberDiskSlot

For a description of this child node, refer to [Table 2-327](#).

Table 2-327 Member Disk ID: memberDiskSlot

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.50.1.3	Yes	Unsigned32	Read-only	Single value	na(16711935)

Example:

```

***** SNMP QUERY STARTED *****
1: memberDiskSlot.0.0.3 (gauge) 3
2: memberDiskSlot.0.0.6 (gauge) 6
3: memberDiskSlot.0.0.7 (gauge) 7
4: memberDiskSlot.0.0.9 (gauge) 9
***** SNMP QUERY FINISHED *****

```

Hard Disk Connection Speed: mdNegoLinkSpeed

For a description of this child node, refer to [Table 2-328](#).

Table 2-328 Hard Disk Connection Speed: mdNegoLinkSpeed

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19 1.3.2.50.1.4	No	Unsigned32	Read-only	Single value	speed3G(0) speed6G(1) speed12G(2) speed1p5G(3) speed8G(5) speed16G(6) speed32G(7) na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: mdNegoLinkSpeed.0.0.3 (gauge) speed6G(1)
2: mdNegoLinkSpeed.0.0.6 (gauge) speed6G(1)
3: mdNegoLinkSpeed.0.0.7 (gauge) speed6G(1)
4: mdNegoLinkSpeed.0.0.9 (gauge) speed6G(1)
***** SNMP QUERY FINISHED *****
```

Hard Disk Media Type: mdMediaType

For a description of this child node, refer to [Table 2-329](#).

Table 2-329 Hard Disk Media Type: mdMediaType

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1 9.1.3.2.50.1.5	No	Unsigned32	Read-only	Single value	hdd(0) ssd(1) ssmFlash(2)

Example:

```
***** SNMP QUERY STARTED *****
1: mdMediaType.0.0.3 (gauge) hdd(0)
2: mdMediaType.0.0.6 (gauge) hdd(0)
3: mdMediaType.0.0.7 (gauge) hdd(0)
4: mdMediaType.0.0.9 (gauge) hdd(0)
***** SNMP QUERY FINISHED *****
```

Hard Disk Speed: mdRotateRate

For a description of this child node, refer to [Table 2-330](#).

Table 2-330 Hard Disk Speed: mdRotateRate

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.50.1.6	No	Unsigned32	Read-only	Single value	speed5400RPM(0) speed7200RPM(1) speed10000RPM(2)) speed10025RPM(3)) speed15000RPM(4)) ssd(5) speed10500RPM(6)) speed10520RPM(7)) speed15030RPM(8)) speed15052RPM(9)) na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: mdRotateRate.0.0.3 (gauge) speed7200RPM(1)
2: mdRotateRate.0.0.6 (gauge) speed7200RPM(1)
3: mdRotateRate.0.0.7 (gauge) speed7200RPM(1)
4: mdRotateRate.0.0.9 (gauge) speed7200RPM(1)
***** SNMP QUERY FINISHED *****
```

Hard Disk Temperature: mdTemperature

For a description of this child node, refer to [Table 2-331](#).

Table 2-331 Hard Disk Temperature: mdTemperature

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.50.1.7	No	Unsigned32	Read-only	Single value	na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: mdTemperature.0.0.3 (gauge) 36
2: mdTemperature.0.0.6 (gauge) 36
3: mdTemperature.0.0.7 (gauge) 36
4: mdTemperature.0.0.9 (gauge) 36
***** SNMP QUERY FINISHED *****
```

Hard Disk Status: mdStatusInController

For a description of this child node, refer to [Table 2-332](#).

Table 2-332 Hard Disk Status: mdStatusInController

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.605 3.19.1.3.2.50.1.8	No	Unsigned32	Read-only	Single value	unconfiguredGood(0) unconfiguredBad(1) online(2) rebuilding(3) offline(4) globalHSP(5) failed(6) raw(7) ready(8) dead(9) dedicatedHSP(10) foreign(12) jbod(13) configuredShielded(14) unknown(15) journal(16) active(17) copyBack(18) failedDueToPSA(19) unsupportedNoLicense(20) predictiveFailure(21) predictiveFailureWornOut(22) transientDrive(23) erasingOffline(24) invalidDriveSize(25)

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
					firmwareUpdateRequired(26) exposedToOS(27) maskedWithInvalidCCM(28) unsupportedForConfig(29) rebuildQueued(30) na(11) ok(31)

Example:

```
***** SNMP QUERY STARTED *****
1: mdStatusInController.0.0.3 (gauge) online(2)
2: mdStatusInController.0.0.6 (gauge) online(2)
3: mdStatusInController.0.0.7 (gauge) online(2)
4: mdStatusInController.0.0.9 (gauge) online(2)
***** SNMP QUERY FINISHED *****
```

Hard Disk Health Status: mdHealth

For a description of this child node, refer to [Table 2-333](#).

Table 2-333 Hard Disk Health Status: mdHealth

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.605 3.19.1.3.2.50.1.9	No	Unsigned32	Read-only	Single value	ok(0) warning(1) na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: mdHealth.0.0.3 (gauge) ok(0)
2: mdHealth.0.0.6 (gauge) ok(0)
3: mdHealth.0.0.7 (gauge) ok(0)
4: mdHealth.0.0.9 (gauge) ok(0)
***** SNMP QUERY FINISHED *****
```

Hard Disk Model: mdModelInfo

For a description of this child node, refer to [Table 2-334](#).

Table 2-334 Hard Disk Model: mdModelInfo

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.50.1.10	No	DisplayString	Read-only	Space size	0..40

Example:

```
***** SNMP QUERY STARTED *****
1: mdModelInfo.0.0.3 (octet string) HGST HUS726060A
[48.47.53.54.20.48.55.53.37.32.36.30.36.30.41 (hex)]
2: mdModelInfo.0.0.6 (octet string) HGST HUS726060A
[48.47.53.54.20.48.55.53.37.32.36.30.36.30.41 (hex)]
3: mdModelInfo.0.0.7 (octet string) HGST HUS726060A
[48.47.53.54.20.48.55.53.37.32.36.30.36.30.41 (hex)]
4: mdModelInfo.0.0.9 (octet string) HGST HUS726060A
[48.47.53.54.20.48.55.53.37.32.36.30.36.30.41 (hex)]
***** SNMP QUERY FINISHED *****
```

Hard Disk Vendor Information: mdVendorInfo

For a description of this child node, refer to [Table 2-335](#).

Table 2-335 Hard Disk Vendor Information: mdVendorInfo

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.50.1.11	No	DisplayString	Read-only	Space size	0..16

Example:

```
***** SNMP QUERY STARTED *****
1: mdVendorInfo.0.0.3 (octet string) ATA [41.54.41 (hex)]
2: mdVendorInfo.0.0.6 (octet string) ATA [41.54.41 (hex)]
3: mdVendorInfo.0.0.7 (octet string) ATA [41.54.41 (hex)]
4: mdVendorInfo.0.0.9 (octet string) ATA [41.54.41 (hex)]
***** SNMP QUERY FINISHED *****
```

Hard Disk Serial Number: mdSerialNumber

For a description of this child node, refer to [Table 2-336](#).

Table 2-336 Hard Disk Serial Number: mdSerialNumber

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.50.1.12	No	DisplayString	Read-only	Space size	0..20

Example:

```
***** SNMP QUERY STARTED *****
1: mdSerialNumber.0.0.3 (octet string) K8JTB4SN [4B.38.4A.54.42.34.53.4E (hex)]
2: mdSerialNumber.0.0.6 (octet string) K8JSW9RN [4B.38.4A.53.57.39.52.4E (hex)]
3: mdSerialNumber.0.0.7 (octet string) K8JSJU4N [4B.38.4A.53.4A.55.34.4E (hex)]
4: mdSerialNumber.0.0.9 (octet string) K8JVA86N [4B.38.4A.56.41.38.36.4E (hex)]
***** SNMP QUERY FINISHED *****
```

Hard Disk Firmware Version Number: mdFirmwareVersion

For a description of this child node, refer to [Table 2-337](#).

Table 2-337 Hard Disk Firmware Version Number: mdFirmwareVersion

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.50.1.13	No	DisplayString	Read-only	Space size	0..16

Example:

```
***** SNMP QUERY STARTED *****
1: mdFirmwareVersion.0.0.3 (octet string) TD05 [54.44.30.35 (hex)]
2: mdFirmwareVersion.0.0.6 (octet string) TD05 [54.44.30.35 (hex)]
3: mdFirmwareVersion.0.0.7 (octet string) TD05 [54.44.30.35 (hex)]
4: mdFirmwareVersion.0.0.9 (octet string) TD05 [54.44.30.35 (hex)]
***** SNMP QUERY FINISHED *****
```

Hard Disk SAS Address: mdAPortSasAddress

For a description of this child node, refer to [Table 2-338](#).

Table 2-338 Hard Disk SAS Address: mdAPortSasAddress

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.50.1.14	No	DisplayString	Read-only	Space size	0..17

Example:

***** SNMP QUERY STARTED *****

1: mdAPortSasAddress.0.0.3 (octet string) 300062b201db71c8

[33.30.30.30.36.32.62.32.30.31.64.62.37.31.63.38 (hex)]

2: mdAPortSasAddress.0.0.6 (octet string) 300062b201db71cd

[33.30.30.30.36.32.62.32.30.31.64.62.37.31.63.64 (hex)]

3: mdAPortSasAddress.0.0.7 (octet string) 300062b201db71cc

[33.30.30.30.36.32.62.32.30.31.64.62.37.31.63.63 (hex)]

4: mdAPortSasAddress.0.0.9 (octet string) 300062b201db71c3

[33.30.30.30.36.32.62.32.30.31.64.62.37.31.63.33 (hex)]

***** SNMP QUERY FINISHED *****

Hard Disk Interface Type: mdinterfaceType

For a description of this child node, refer to [Table 2-339](#).

Table 2-339 Hard Disk Interface Type: mdinterfaceType

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1 9.1.3.2.50.1.15	No	Unsigned32	Read-only	Single value	na(0) parallelSCSI(1) sas(2) sata(3) fc(4) pcie(5) nvme(6)

Example:

***** SNMP QUERY STARTED *****

1: mdinterfaceType.0.0.3 (gauge) sata(3)

2: mdinterfaceType.0.0.6 (gauge) sata(3)

3: mdinterfaceType.0.0.7 (gauge) sata(3)

4: mdinterfaceType.0.0.9 (gauge) sata(3)

***** SNMP QUERY FINISHED *****

Hard Disk Size: mdDiskSize

For a description of this child node, refer to [Table 2-340](#).

Table 2-340 Hard Disk Size: mdDiskSize

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1 9.1.3.2.50.1.16	No	Unsigned32	Read-only	Single value	size2p5(0) size3p5(1)

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
					size80x22x3p5(2) na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: mdDiskSize.0.0.3 (gauge) size3p5(1)
2: mdDiskSize.0.0.6 (gauge) size3p5(1)
3: mdDiskSize.0.0.7 (gauge) size3p5(1)
4: mdDiskSize.0.0.9 (gauge) size3p5(1)
***** SNMP QUERY FINISHED *****
```

Hard Disk Capacity: mdRawCapacity

For a description of this child node, refer to [Table 2-341](#).

Table 2-341 Hard Disk Capacity: mdRawCapacity

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.50.1.17	No	Unsigned32	Read-only	Single value	na(0)

Example:

```
***** SNMP QUERY STARTED *****
1: mdRawCapacity.0.0.3 (gauge) 6000
2: mdRawCapacity.0.0.6 (gauge) 6000
3: mdRawCapacity.0.0.7 (gauge) 6000
4: mdRawCapacity.0.0.9 (gauge) 6000
***** SNMP QUERY FINISHED *****
```

Hard Disk Life: mdLifeUsed

For a description of this child node, refer to [Table 2-342](#).

Table 2-342 Hard Disk Life: mdLifeUsed

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.50.1.18	No	Unsigned32	Read-only	Single value	na(255)

Example:

***** SNMP QUERY STARTED *****

1: mdLifeUsed.0.0.3 (gauge) na(255)

2: mdLifeUsed.0.0.6 (gauge) na(255)

3: mdLifeUsed.0.0.7 (gauge) na(255)

4: mdLifeUsed.0.0.9 (gauge) na(255)

***** SNMP QUERY FINISHED *****

Hard Disk Usage Status: mdUsageInfomdUsageInfo

For a description of this child node, refer to [Table 2-343](#).

Table 2-343 Hard Disk Usage Status: mdUsageInfomdUsageInfo

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.50.1.19	No	Unsigned32	Read-only	Single value	readyForAssignment(0) dataDriver(1) autoReplaceSpare(2) shareableStandbySpare(3) shareableActiveSpare(4) transientDataDrive(5) IUCacheDataDrive(6) hbaDrive(7) transientUnassigned(8) na(255)

Example:

***** SNMP QUERY STARTED *****

1: mdUsageInfo.0.0.3 (gauge) na(255)

2: mdUsageInfo.0.0.6 (gauge) na(255)

3: mdUsageInfo.0.0.7 (gauge) na(255)

4: mdUsageInfo.0.0.9 (gauge) na(255)

***** SNMP QUERY FINISHED *****

Raw disk capacity (in bytes): mdRawCapacityBytes

For a description of this child node, refer to [Table 2-344](#).

Table 2-344 Raw disk capacity (in bytes): mdRawCapacityBytes

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.50.1.20	No	DisplayString	Read-only	Space size	0..64

Example:

```
***** SNMP QUERY STARTED *****
1: mdRawCapacityBytes.0 (octet string) 3840000000000
[33.38.34.30.30.30.30.30.30.30.30.30.30 (hex)]
2: mdRawCapacityBytes.2 (octet string) 8001563222016
[38.30.30.31.35.36.33.32.32.32.30.31.36 (hex)]
3: mdRawCapacityBytes.5 (octet string) 8001563222016
[38.30.30.31.35.36.33.32.32.32.30.31.36 (hex)]
***** SNMP QUERY FINISHED *****
```

1

2.3 Standard Card Query Operations

2.3.1 Server NIC Information: nicInfo

Parent Node

For a description of the parent node nicIndex, refer to [Table 2-345](#).

Table 2-345 nicIndex—Parent Code

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
nicInfo	Tabular	Server NIC information	1.3.6.1.4.1.3902.6053.19.1.3.2.27

Child Node

For a description of the child nodes of nicIndex, refer to [Table 2-346](#).

Table 2-346 nicIndex—Child Code

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
nicIndex	NIC ID, numbered from 0	1.3.6.1.4.1.3902.6053.19.1.3.2.27.1.1	Yes	Unsigned32
totalPort	NIC network interface quantity	1.3.6.1.4.1.3902.6053.19.1.3.2.27.1.2	No	Unsigned32

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
interfaceType	NIC interface type	1.3.6.1.4.1.3902.6053.19.1.3.2.27.1.3	No	Unsigned32
chipProductName	NIC chip model	1.3.6.1.4.1.3902.6053.19.1.3.2.27.1.4	No	DisplayString
manuFature	NIC manufacturer	1.3.6.1.4.1.3902.6053.19.1.3.2.27.1.5	No	DisplayString
cardName	NIC name	1.3.6.1.4.1.3902.6053.19.1.3.2.27.1.6	No	DisplayString
slotType	NIC slot type	1.3.6.1.4.1.3902.6053.19.1.3.2.27.1.7	No	Unsigned32
slot	NIC slot ID	1.3.6.1.4.1.3902.6053.19.1.3.2.27.1.8	No	Unsigned32
nicSerialNum	NIC serial number	1.3.6.1.4.1.3902.6053.19.1.3.2.27.1.9	No	DisplayString
nicPartNum	NIC part number	1.3.6.1.4.1.3902.6053.19.1.3.2.27.1.10	No	DisplayString
nicFirmwareVersion	NIC firmware version number	1.3.6.1.4.1.3902.6053.19.1.3.2.27.1.11	No	DisplayString
maxTemp	Maximum FPGA temperature	1.3.6.1.4.1.3902.6053.19.1.3.2.27.1.12	No	Unsigned32
fpgaStatus	FPGA operating status	1.3.6.1.4.1.3902.6053.19.1.3.2.27.1.13	No	Unsigned32
fpgaTempStatus	FPGA temperature status	1.3.6.1.4.1.3902.6053.19.1.3.2.27.1.14	No	Unsigned32
networkTechnology	Network technology	1.3.6.1.4.1.3902.6053.19.1.3.2.27.1.15	No	DisplayString

NIC ID: nicIndex

For a description of this child node, refer to [Table 2-347](#).

Table 2-347 NIC ID: nicIndex

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.27.1.1	Yes	Unsigned32	Read-only	Value range	0..255

Example:

```
***** SNMP QUERY STARTED *****
1: nicIndex.0 (gauge) 0
2: nicIndex.1 (gauge) 1
3: nicIndex.2 (gauge) 2
***** SNMP QUERY FINISHED *****
```

NIC Network Interface Quantity: totalPort

For a description of this child node, refer to [Table 2-348](#).

Table 2-348 NIC Network Interface Quantity: totalPort

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.605 3.19.1.3.2.27.1.2	No	Unsigned32	Read-only	Value range	0..16

Example:

```
***** SNMP QUERY STARTED *****
1: totalPort.0 (gauge) 4
2: totalPort.1 (gauge) 2
3: totalPort.2 (gauge) 2
***** SNMP QUERY FINISHED *****
```

NIC Interface Type: interfaceType

For a description of this child node, refer to [Table 2-349](#).

Table 2-349 NIC Interface Type: interfaceType

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.605 3.19.1.3.2.27.1.3	No	Unsigned32	Read-only	Single value	copper(0) fiber(1) serdes(2) copperfiber(3) fiberserdes(5) na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: interfaceType.0 (gauge) copper-fiber(3)
2: interfaceType.1 (gauge) fiber(1)
3: interfaceType.2 (gauge) fiber(1)
```

```
***** SNMP QUERY FINISHED *****
```

NIC Chip Model: chipProductName

For a description of this child node, refer to [Table 2-350](#).

Table 2-350 NIC Chip Model: chipProductName

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.27.1.4	No	DisplayString	Read-only	Space size	0..16

Example:

```
***** SNMP QUERY STARTED *****
1: chipProductName.0 (octet string) X722 [58.37.32.32 (hex)]
2: chipProductName.1 (octet string) 82599 [38.32.35.39.39 (hex)]
3: chipProductName.2 (octet string) 82599 [38.32.35.39.39 (hex)]
***** SNMP QUERY FINISHED *****
```

NIC Manufacturer: manuFacture

For a description of this child node, refer to [Table 2-351](#).

Table 2-351 NIC Manufacturer: manuFacture

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.27.1.5	No	DisplayString	Read-only	Space size	0..64

Example:

```
***** SNMP QUERY STARTED *****
1: manuFacture.0 (octet string) TUVWXY`abcdefgh
[54.55.56.57.58.59.60.61.62.63.64.65.66.67.68 (hex)]
2: manuFacture.1 (octet string) Intel [49.6E.74.65.6C (hex)]
3: manuFacture.2 (octet string) Intel [49.6E.74.65.6C (hex)]
***** SNMP QUERY FINISHED *****
```

NIC Name: cardName

For a description of this child node, refer to [Table 2-352](#).

Table 2-352 NIC Name: cardName

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.27.1.6	No	DisplayString	Read-only	Space size	0..16

Example:

```
***** SNMP QUERY STARTED *****
1: cardName.0 (octet string) SXGFA [53.58.47.46.41 (hex)]
2: cardName.1 (octet string) EX520DA2 [45.58.35.32.30.44.41.32 (hex)]
3: cardName.2 (octet string) EX520DA2 [45.58.35.32.30.44.41.32 (hex)]
***** SNMP QUERY FINISHED *****
```

NIC Slot Type: slotType

For a description of this child node, refer to [Table 2-353](#).

Table 2-353 NIC Slot Type: slotType

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.27.1.7	No	Unsigned32	Read-only	Single value	embedded(0) pcie(1) ocp(2) na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: slotType.0 (gauge) embedded(0)
2: slotType.1 (gauge) pcie(1)
3: slotType.2 (gauge) pcie(1)
***** SNMP QUERY FINISHED *****
```

NIC Slot ID: slot

For a description of this child node, refer to [Table 2-354](#).

Table 2-354 NIC Slot ID: slot

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.27.1.8	No	Unsigned32	Read-only	Value range	1..255

Example:

***** SNMP QUERY STARTED *****

1: slot.0 (gauge) 1

2: slot.1 (gauge) 1

3: slot.2 (gauge) 8

***** SNMP QUERY FINISHED *****

NIC Serial Number: nicSerialNum

For a description of this child node, refer to [Table 2-355](#).

Table 2-355 NIC Serial Number: nicSerialNum

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19 .1.3.2.27.1.9	No	DisplayString	Read-only	Space size	0..31

Example:

***** SNMP QUERY STARTED *****

1: nicSerialNum.0 (octet string) 2MXGFA000000

[32.4D.58.47.46.41.30.30.30.30.30.30 (hex)]

2: nicSerialNum.1 (octet string) N/A [4E.2F.41 (hex)]

3: nicSerialNum.2 (octet string) N/A [4E.2F.41 (hex)]

***** SNMP QUERY FINISHED *****

NIC Part Number: nicPartNum

For a description of this child node, refer to [Table 2-356](#).

Table 2-356 NIC Part Number: nicPartNum

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19 .1.3.2.27.1.10	No	DisplayString	Read-only	Space size	0..31

Example:

***** SNMP QUERY STARTED *****

1: nicPartNum.0 (octet string) na [6E.61 (hex)]

2: nicPartNum.1 (octet string) na [6E.61 (hex)]

3: nicPartNum.2 (octet string) na [6E.61 (hex)]

***** SNMP QUERY FINISHED *****

NIC Firmware Version Number: nicFirmwareVersion

For a description of this child node, refer to [Table 2-357](#).

Table 2-357 NIC Firmware Version Number: nicFirmwareVersion

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.27.1.11	No	DisplayString	Read-only	Space size	0..31

Example:

```
***** SNMP QUERY STARTED *****
1: nicFirmwareVersion.0 (octet string) 4.3 [34.2E.33 (hex)]
2: nicFirmwareVersion.1 (octet string) na [6E.61 (hex)]
3: nicFirmwareVersion.2 (octet string) na [6E.61 (hex)]
***** SNMP QUERY FINISHED *****
```

Maximum FPGA Temperature: maxTemp

For a description of this child node, refer to [Table 2-358](#).

Table 2-358 Maximum FPGA Temperature: maxTemp

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.27.1.12	No	Unsigned32	Read-only	Single value	na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: maxTemp.0 (gauge) na(255)
2: maxTemp.1 (gauge) na(255)
3: maxTemp.2 (gauge) na(255)
***** SNMP QUERY FINISHED *****
```

FPGA Operating Status: fpgaStatus

For a description of this child node, refer to [Table 2-359](#).

Table 2-359 FPGA Operating Status: fpgaStatus

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.27.1.13	No	Unsigned32	Read-only	Single value	normal(0) abnormal(1) na(255)

Example:

```
***** SNMP QUERY STARTED *****
```

```

1: fpgaStatus.0 (gauge) normal(0)
2: fpgaStatus.1 (gauge) normal(0)
3: fpgaStatus.2 (gauge) normal(0)
***** SNMP QUERY FINISHED *****

```

FPGA Temperature Status: fpgaTempStatus

For a description of this child node, refer to [Table 2-360](#).

Table 2-360 FPGA Temperature Status: fpgaTempStatus

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1 9.1.3.2.27.1.14	No	Unsigned32	Read-only	Single value	normal(0) abnormal(1) na(255)

Example:

```

***** SNMP QUERY STARTED *****
1: fpgaTempStatus.0 (gauge) normal(0)
2: fpgaTempStatus.1 (gauge) normal(0)
3: fpgaTempStatus.2 (gauge) normal(0)
***** SNMP QUERY FINISHED *****

```

Network Technology: networkTechnology

For a description of this child node, refer to [Table 2-361](#).

Table 2-361 Network Technology: networkTechnology

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19 .1.3.2.27.1.15	No	DisplayString	Read-only	Space size	0..16

Example:

```

***** SNMP QUERY STARTED *****
1: networkTechnology.0 (octet string) Ethernet [45.74.68.65.72.6E.65.74 (hex)]
***** SNMP QUERY FINISHED *****

```

2.3.2 Controller Information: ctrlInfo

Parent Node

For a description of the parent node ctrlInfo, refer to [Table 2-362](#).

Table 2-362 ctrlInfo—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
ctrlInfo	Tabular	Controller information	1.3.6.1.4.1.3902.6053.19.1.3.2.36

Child Node

For a description of the child nodes of ctrlInfo, refer to [Table 2-363](#).

Table 2-363 ctrlInfo—Child Nodes

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
ctrlIndex	Index information, which starts from 0, has no actual meaning, and is used for counting	1.3.6.1.4.1.3902.6053.19.1.3.2.36.1.1	Yes	Unsigned32
ctrlTemperature	Controller temperature	1.3.6.1.4.1.3902.6053.19.1.3.2.36.1.2	No	Unsigned32
ctrlCacheSize	Cache capacity (MB)	1.3.6.1.4.1.3902.6053.19.1.3.2.36.1.3	No	Unsigned32
ctrlFwVer	Firmware version number	1.3.6.1.4.1.3902.6053.19.1.3.2.36.1.4	No	DisplayString
ctrlDevType	Controller name	1.3.6.1.4.1.3902.6053.19.1.3.2.36.1.5	No	DisplayString
ctrlOpRomVer	SEEPROM version number	1.3.6.1.4.1.3902.6053.19.1.3.2.36.1.6	No	DisplayString
ctrlStatus	Health status	1.3.6.1.4.1.3902.6053.19.1.3.2.36.1.7	No	Unsigned32
bbuPresentStatus	Controller battery presence status	1.3.6.1.4.1.3902.6053.19.1.3.2.36.1.8	No	Unsigned32
bbuTemperature	Controller battery temperature	1.3.6.1.4.1.3902.6053.19.1.3.2.36.1.9	No	Unsigned32
bbuVoltageInfo	Controller battery voltage	1.3.6.1.4.1.3902.6053.19.1.3.2.36.1.10	No	Unsigned32
locationSlotType	Controller location	1.3.6.1.4.1.3902.6053.19.1.3.2.36.1.11	No	Unsigned32

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
locationSlotNum	Controller slot, numbered from 1	1.3.6.1.4.1.3902.6053.19.1.3.2.36.1.12	No	Unsigned32
bConnectExpander	Expander connection status	1.3.6.1.4.1.3902.6053.19.1.3.2.36.1.13	No	Unsigned32
expanderVersion	Expander1 version number	1.3.6.1.4.1.3902.6053.19.1.3.2.36.1.14	No	DisplayString
expander2Version	Expander2 version number	1.3.6.1.4.1.3902.6053.19.1.3.2.36.1.15	No	DisplayString
ucVendor	Controller vendor information	1.3.6.1.4.1.3902.6053.19.1.3.2.36.1.16	No	DisplayString
ucChipModel	Controller chip model	1.3.6.1.4.1.3902.6053.19.1.3.2.36.1.17	No	DisplayString
ucChipVendor	Controller chip vendor	1.3.6.1.4.1.3902.6053.19.1.3.2.36.1.18	No	DisplayString
ucSerialNum	Controller serial number	1.3.6.1.4.1.3902.6053.19.1.3.2.36.1.19	No	DisplayString
ucPartNum	Controller part number	1.3.6.1.4.1.3902.6053.19.1.3.2.36.1.20	No	DisplayString
bbuHealth	Controller Battery Health Status	1.3.6.1.4.1.3902.6053.19.1.3.2.36.1.21	No	Unsigned32

Index: ctrlIndex

For a description of this child node, refer to [Table 2-364](#).

Table 2-364 Index: ctrlIndex

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.36.1.1	Yes	Unsigned32	Read-only	Value range	0..15

Example:

```
***** SNMP QUERY STARTED *****
1: ctrlIndex.0 (gauge) 0
***** SNMP QUERY FINISHED *****
```

Controller Temperature: ctrlTemperature

For a description of this child node, refer to [Table 2-365](#).

Table 2-365 Controller Temperature: ctrlTemperature

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.60 53.19.1.3.2.36.1.2	No	Unsigned32	Read-only	Single value	na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: ctrlTemperature.0 (gauge) 53
***** SNMP QUERY FINISHED *****
```

Cache Capacity: ctrlCacheSize

For a description of this child node, refer to [Table 2-366](#).

Table 2-366 Cache Capacity: ctrlCacheSize

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.60 53.19.1.3.2.36.1.3	No	Unsigned32	Read-only	Single value	na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: ctrlCacheSize.0 (gauge) 2048
***** SNMP QUERY FINISHED *****
```

Firmware Version Number: ctrlFwVer

For a description of this child node, refer to [Table 2-367](#).

Table 2-367 Firmware Version Number: ctrlFwVer

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.605 3.19.1.3.2.36.1.4	No	DisplayString	Read-only	Space size	0..32

Example:

```
***** SNMP QUERY STARTED *****
1: ctrlFwVer.0 (octet string) 4.740.00-8447
```

```
[34.2E.37.34.30.2E.30.30.2D.38.34.34.37 (hex)]
```

```
***** SNMP QUERY FINISHED *****
```

Controller Name: ctrlDevType

For a description of this child node, refer to [Table 2-368](#).

Table 2-368 Controller Name: ctrlDevType

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.36.1.5	No	DisplayString	Read-only	Space size	0..80

Example:

```
***** SNMP QUERY STARTED *****
```

```
1: ctrlDevType.0 (octet string) AVAGO MegaRAID SAS 9361-16i
```

```
[41.56.41.47.4F.20.4D.65.67.61.52.41.49.44.20.53.41.53.20.39.33.36.31.2D.31.36.69(hex)]
```

```
***** SNMP QUERY FINISHED *****
```

SEEPROM Version Number: ctrlOpRomVer

For a description of this child node, refer to [Table 2-369](#).

Table 2-369 SEEPROM Version Number: ctrlOpRomVer

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.36.1.6	No	DisplayString	Read-only	Space size	0..32

Example:

```
***** SNMP QUERY STARTED *****
```

```
1: ctrlOpRomVer.0 (octet string) 6.36.00.3_4.19.08.00_0x06180203
```

```
[36.2E.33.36.2E.30.30.2E.33.5F.34.2E.31.39.2E.30.38.2E.30.30.5F.30.78.30.36.31.38.30.32.30.33 (hex)]
```

```
***** SNMP QUERY FINISHED *****
```

Health Status: ctrlStatus

For a description of this child node, refer to [Table 2-370](#).

Table 2-370 Health Status: ctrlStatus

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.60 53.19.1.3.2.36.1.7	No	Unsigned32	Read-only	Single value	healthy(0) unhealthy(1) na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: ctrlStatus.0 (gauge) healthy(0)
***** SNMP QUERY FINISHED *****
```

Controller Battery Presence Status: bbuPresentStatus

For a description of this child node, refer to [Table 2-371](#).

Table 2-371 Controller Battery Presence Status: bbuPresentStatus

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902 .6053.19.1.3.2.3 6.1.8	No	Unsigned32	Read-only	Single value	absent(0) present(1) na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: bbuPresentStatus.0 (gauge) absent(0)
***** SNMP QUERY FINISHED *****
```

Controller Battery Temperature: bbuTemperature

For a description of this child node, refer to [Table 2-372](#).

Table 2-372 Controller Battery Temperature: bbuTemperature

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.605 3.19.1.3.2.36.1.9	No	Unsigned32	Read-only	Single value	normal(255) high(254) invalid(253)

Example:

```
***** SNMP QUERY STARTED *****
1: bbuTemperature.0 (gauge) invalid(253)
```

```
***** SNMP QUERY FINISHED *****
```

Controller Battery Voltage: `bbuVoltageInfo`

For a description of this child node, refer to [Table 2-373](#).

Table 2-373 Controller Battery Voltage: `bbuVoltageInfo`

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.60 53.19.1.3.2.36.1.10	No	Unsigned32	Read-only	Single value	normal(255) low(254) invalid(253)

Example:

```
***** SNMP QUERY STARTED *****
1: bbuVoltageInfo.0 (gauge) invalid(253)
***** SNMP QUERY FINISHED *****
```

Controller Location: `locationSlotType`

For a description of this child node, refer to [Table 2-374](#).

Table 2-374 Controller Location: `locationSlotType`

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.605 3.19.1.3.2.36.1.11	No	Unsigned32	Read-only	Single value	embedded(0) pcie(1)

Example:

```
***** SNMP QUERY STARTED *****
1: locationSlotType.0 (gauge) pcie(1)
***** SNMP QUERY FINISHED *****
```

Controller Slot: `locationSlotNum`

For a description of this child node, refer to [Table 2-375](#).

Table 2-375 Controller Slot: `locationSlotNum`

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053. 19.1.3.2.36.1.12	No	Unsigned32	Read-only	Value range	1..12

Example:

```
***** SNMP QUERY STARTED *****
1: locationSlotNum.0 (gauge) 4
***** SNMP QUERY FINISHED *****
```

Expander Connection Status: bConnectExpander

For a description of this child node, refer to [Table 2-376](#).

Table 2-376 Expander Connection Status: bConnectExpander

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.605 3.19.1.3.2.36.1.13	No	Unsigned32	Read-only	Single value	no(0) yes(1) na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: bConnectExpander.0 (gauge) no(0)
***** SNMP QUERY FINISHED *****
```

Expander1 Version Number: expanderVersion

For a description of this child node, refer to [Table 2-377](#).

Table 2-377 Expander1 Version Number: expanderVersion

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.605 3.19.1.3.2.36.1.14	No	DisplayString	Read-only	Space size	0..32

Example:

```
***** SNMP QUERY STARTED *****
1: expanderVersion.0 (octet string) na [6E.61 (hex)]
***** SNMP QUERY FINISHED *****
```

Expander2 Version Number: expander2Version

For a description of this child node, refer to [Table 2-378](#).

Table 2-378 Expander2 Version Number: expander2Version

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.60 53.19.1.3.2.36.1.15	No	DisplayString	Read-only	Space size	0..32

Example:

```
***** SNMP QUERY STARTED *****
1: expander2Version.0 (octet string) na [6E.61 (hex)]
***** SNMP QUERY FINISHED *****
```

Controller Vendor Information: ucVendor

For a description of this child node, refer to [Table 2-379](#).

Table 2-379 Controller Vendor Information: ucVendor

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.60 53.19.1.3.2.36.1.16	No	DisplayString	Read-only	Space size	0..32

Example:

```
***** SNMP QUERY STARTED *****
1: ucVendor.0 (octet string) Broadcom [42.72.6F.61.64.63.6F.6D (hex)]
***** SNMP QUERY FINISHED *****
```

Controller Chip Model: ucChipModel

For a description of this child node, refer to [Table 2-380](#).

Table 2-380 Controller Chip Model: ucChipModel

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.60 53.19.1.3.2.36.1.17	No	DisplayString	Read-only	Space size	0..32

Example:

```
***** SNMP QUERY STARTED *****
1: ucChipModel.0 (octet string) RAID_SAS3108 [52.41.49.44.5F.53.41.53.33.31.30.38 (hex)]
***** SNMP QUERY FINISHED *****
```

Controller Chip Vendor: ucChipVendor

For a description of this child node, refer to [Table 2-381](#).

Table 2-381 Controller Chip Vendor: ucChipVendor

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.605 3.19.1.3.2.36.1.18	No	DisplayString	Read-only	Space size	0..32

Example:

```
***** SNMP QUERY STARTED *****
1: ucChipVendor.0 (octet string) LSI [4C.53.49 (hex)]
***** SNMP QUERY FINISHED *****
```

Controller Serial Number: ucSerialNum

For a description of this child node, refer to [Table 2-382](#).

Table 2-382 Controller Serial Number: ucSerialNum

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.605 3.19.1.3.2.36.1.19	No	DisplayString	Read-only	Space size	0..48

Example:

```
***** SNMP QUERY STARTED *****
1: ucSerialNum.0 (octet string) na [6E.61 (hex)]
***** SNMP QUERY FINISHED *****
```

Controller Part Number: ucPartNum

For a description of this child node, refer to [Table 2-383](#).

Table 2-383 Controller Part Number: ucPartNum

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.605 3.19.1.3.2.36.1.20	No	DisplayString	Read-only	Space size	0..32

Example:

```
***** SNMP QUERY STARTED *****
1: ucPartNum.0 (octet string) na [6E.61 (hex)]
***** SNMP QUERY FINISHED *****
```

Controller Battery Health Status: bbuHealth

For a description of this child node, refer to [Table 2-384](#).

Table 2-384 Controller Battery Health Status: bbuHealth

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.36.1.21	No	Unsigned32	Read-only	Single value	ok(0) minorAlarm(1) majorAlarm(2) criticalAlarm(3) na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: bbuHealth.0 (gauge) ok(0)
***** SNMP QUERY FINISHED *****
```

2.3.3 Network Interface Information: portInfo**Parent Node**

For a description of the parent node portInfo, refer to [Table 2-385](#).

Table 2-385 portInfo—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
portInfo	Tabular	Network interface information	1.3.6.1.4.1.3902.6053.19.1.3.2.39

Child Node

For a description of the child nodes of portInfo, refer to [Table 2-386](#).

Table 2-386 portInfo—Child Nodes

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
cardIndex	NIC ID, numbered from 0	1.3.6.1.4.1.3902.6053.19.1.3.2.39.1.1	Yes	Unsigned32
portIndex	Port ID	1.3.6.1.4.1.3902.6053.19.1.3.2.39.1.2	Yes	Unsigned32
linkStatus	Port connection status	1.3.6.1.4.1.3902.6053.19.1.3.2.39.1.3	No	Unsigned32

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
speed	Nominal rate (bit/s)	1.3.6.1.4.1.3902.6053.19.1.3.2.39.1.4	No	Unsigned32
currentSpeed	Current rate (bit/s)	1.3.6.1.4.1.3902.6053.19.1.3.2.39.1.5	No	Unsigned32
duplex	Port operating mode	1.3.6.1.4.1.3902.6053.19.1.3.2.39.1.6	No	Unsigned32
negoMode	Negotiation mode	1.3.6.1.4.1.3902.6053.19.1.3.2.39.1.7	No	Unsigned32
mac	MAC address	1.3.6.1.4.1.3902.6053.19.1.3.2.39.1.8	No	DisplayString
resv	Reserved field	1.3.6.1.4.1.3902.6053.19.1.3.2.39.1.9	No	DisplayString
resv	Reserved field	1.3.6.1.4.1.3902.6053.19.1.3.2.39.1.10	No	DisplayString
portInterfaceType	Port type	1.3.6.1.4.1.3902.6053.19.1.3.2.39.1.11	No	Unsigned32
lldpEnableEth1	LLDP enabling flag	1.3.6.1.4.1.3902.6053.19.1.3.2.39.1.12	No	Unsigned32
workModeEth1	LLDP operating mode	1.3.6.1.4.1.3902.6053.19.1.3.2.39.1.13	No	DisplayString

NIC ID: cardIndex

For a description of this child node, refer to [Table 2-387](#).

Table 2-387 NIC ID: cardIndex

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.39.1.1	Yes	Unsigned32	Read-only	Value range	0..255

Example:

```
***** SNMP QUERY STARTED *****
1: cardIndex.0.0 (gauge) 0
2: cardIndex.0.1 (gauge) 0
3: cardIndex.0.2 (gauge) 0
4: cardIndex.0.3 (gauge) 0
```

```

5: cardIndex.1.0 (gauge) 1
6: cardIndex.1.1 (gauge) 1
7: cardIndex.2.0 (gauge) 2
8: cardIndex.2.1 (gauge) 2
***** SNMP QUERY FINISHED *****

```

Port ID: portIndex

For a description of this child node, refer to [Table 2-388](#).

Table 2-388 Port ID: portIndex

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.39.1.2	Yes	Unsigned32	Read-only	Value range	0..16

Example:

```

***** SNMP QUERY STARTED *****
1: portIndex.0.0 (gauge) 0
2: portIndex.0.1 (gauge) 1
3: portIndex.0.2 (gauge) 2
4: portIndex.0.3 (gauge) 3
5: portIndex.1.0 (gauge) 0
6: portIndex.1.1 (gauge) 1
7: portIndex.2.0 (gauge) 0
8: portIndex.2.1 (gauge) 1
***** SNMP QUERY FINISHED *****

```

Port Connection Status: linkStatus

For a description of this child node, refer to [Table 2-389](#).

Table 2-389 Port Connection Status: linkStatus

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.39.1.3	No	Unsigned32	Read-only	Single value	down(0) up(1) na(255)

Example:

```

***** SNMP QUERY STARTED *****
1: linkStatus.0.0 (gauge) down(0)
2: linkStatus.0.1 (gauge) down(0)
3: linkStatus.0.2 (gauge) down(0)

```

```

4: linkStatus.0.3 (gauge) up(1)
5: linkStatus.1.0 (gauge) na(255)
6: linkStatus.1.1 (gauge) na(255)
7: linkStatus.2.0 (gauge) na(255)
8: linkStatus.2.1 (gauge) na(255)
***** SNMP QUERY FINISHED *****

```

Nominal Rate: speed

For a description of this child node, refer to [Table 2-390](#).

Table 2-390 Nominal Rate: speed

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.60 53.19.1.3.2.39.1.4	No	Unsigned32	Read-only	Single value	speed10M(0) speed100M(1) speed1G(2) speed10G(3) speed40G(4) speed25G(5) speed100G(6) speed20G(7) speed50G(8) speed80G(9) speed200G(10) speed400G(11) speed800G(12) na(15)

Example:

```

***** SNMP QUERY STARTED *****
1: speed.0.0 (gauge) speed10G(3)
2: speed.0.1 (gauge) speed10G(3)
3: speed.0.2 (gauge) speed1G(2)
4: speed.0.3 (gauge) speed1G(2)
5: speed.1.0 (gauge) speed10G(3)
6: speed.1.1 (gauge) speed10G(3)
7: speed.2.0 (gauge) speed10G(3)
8: speed.2.1 (gauge) speed10G(3)
***** SNMP QUERY FINISHED *****

```

Current Rate: currentSpeed

For a description of this child node, refer to [Table 2-391](#).

Table 2-391 Current Rate: currentSpeed

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1 9.1.3.2.39.1.5	No	Unsigned32	Read-only	Single value	speed10M(0) speed100M(1) speed1G(2) speed10G(3) speed40G(4) speed25G(5) speed100G(6) speed20G(7) speed50G(8) speed80G(9) speed200G(10) speed400G(11) speed800G(12) na(15)

Example:

```
***** SNMP QUERY STARTED *****
1: currentSpeed.0.0 (gauge) na(15)
2: currentSpeed.0.1 (gauge) na(15)
3: currentSpeed.0.2 (gauge) na(15)
4: currentSpeed.0.3 (gauge) speed1G(2)
5: currentSpeed.1.0 (gauge) na(15)
6: currentSpeed.1.1 (gauge) na(15)
7: currentSpeed.2.0 (gauge) na(15)
8: currentSpeed.2.1 (gauge) na(15)
***** SNMP QUERY FINISHED *****
```

Port Operating Mode: duplex

For a description of this child node, refer to [Table 2-392](#).

Table 2-392 Port Operating Mode: duplex

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1 9.1.3.2.39.1.6	No	Unsigned32	Read-only	Single value	halfDuplex(0) fullDuplex(1) na(255)

Example:

```
***** SNMP QUERY STARTED *****
```

```

1: duplex.0.0 (gauge) na(255)
2: duplex.0.1 (gauge) na(255)
3: duplex.0.2 (gauge) na(255)
4: duplex.0.3 (gauge) fullDuplex(1)
5: duplex.1.0 (gauge) na(255)
6: duplex.1.1 (gauge) na(255)
7: duplex.2.0 (gauge) na(255)
8: duplex.2.1 (gauge) na(255)
***** SNMP QUERY FINISHED *****

```

Negotiation Mode: negoMode

For a description of this child node, refer to [Table 2-393](#).

Table 2-393 Negotiation Mode: negoMode

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.39.1.7	No	Unsigned32	Read-only	Single value	autoNegotiated(0) forceMode(1) na(255)

Example:

```

***** SNMP QUERY STARTED *****
1: negoMode.0.0 (gauge) forceMode(1)
2: negoMode.0.1 (gauge) forceMode(1)
3: negoMode.0.2 (gauge) autoNegotiated(0)
4: negoMode.0.3 (gauge) autoNegotiated(0)
5: negoMode.1.0 (gauge) na(255)
6: negoMode.1.1 (gauge) na(255)
7: negoMode.2.0 (gauge) na(255)
8: negoMode.2.1 (gauge) na(255)
***** SNMP QUERY FINISHED *****

```

MAC Address: mac

For a description of this child node, refer to [Table 2-394](#).

Table 2-394 MAC Address: mac

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.39.1.8	No	DisplayString	Read-only	Space size	0..64

Example:

```

***** SNMP QUERY STARTED *****
1: mac.0.0 (octet string) 4C:09:B4:88:AF:B8
[34.43.3A.30.39.3A.42.34.3A.38.38.3A.41.46.3A.42.38 (hex)]
2: mac.0.1 (octet string) 4C:09:B4:88:AF:B9
[34.43.3A.30.39.3A.42.34.3A.38.38.3A.41.46.3A.42.39 (hex)]
3: mac.0.2 (octet string) 4C:09:B4:88:AF:BA
[34.43.3A.30.39.3A.42.34.3A.38.38.3A.41.46.3A.42.41 (hex)]
4: mac.0.3 (octet string) 4C:09:B4:88:AF:BB
[34.43.3A.30.39.3A.42.34.3A.38.38.3A.41.46.3A.42.42 (hex)]
5: mac.1.0 (octet string) 90:E2:BA:D3:B5:88
[39.30.3A.45.32.3A.42.41.3A.44.33.3A.42.35.3A.38.38 (hex)]
6: mac.1.1 (octet string) 90:E2:BA:D3:B5:89
[39.30.3A.45.32.3A.42.41.3A.44.33.3A.42.35.3A.38.39 (hex)]
7: mac.2.0 (octet string) 90:E2:BA:C4:3F:B0
[39.30.3A.45.32.3A.42.41.3A.43.34.3A.33.46.3A.42.30 (hex)]
8: mac.2.1 (octet string) 90:E2:BA:C4:3F:B1
[39.30.3A.45.32.3A.42.41.3A.43.34.3A.33.46.3A.42.31 (hex)]
***** SNMP QUERY FINISHED *****

```

Reserved Field: resv1

For a description of this child node, refer to [Table 2-395](#).

Table 2-395 Reserved Field: resv1

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1 9.1.3.2.39.1.9	No	DisplayString	Read-only	Space size	0..64

Example:

```

***** SNMP QUERY STARTED *****
1: resv1.0.0 (octet string) unknown [75.6E.6B.6E.6F.77.6E (hex)]
2: resv1.0.1 (octet string) unknown [75.6E.6B.6E.6F.77.6E (hex)]
3: resv1.0.2 (octet string) unknown [75.6E.6B.6E.6F.77.6E (hex)]
4: resv1.0.3 (octet string) unknown [75.6E.6B.6E.6F.77.6E (hex)]
5: resv1.1.0 (octet string) unknown [75.6E.6B.6E.6F.77.6E (hex)]
6: resv1.1.1 (octet string) unknown [75.6E.6B.6E.6F.77.6E (hex)]
7: resv1.2.0 (octet string) unknown [75.6E.6B.6E.6F.77.6E (hex)]
8: resv1.2.1 (octet string) unknown [75.6E.6B.6E.6F.77.6E (hex)]
***** SNMP QUERY FINISHED *****

```

Reserved Field: resv2

For a description of this child node, refer to [Table 2-396](#).

Table 2-396 Reserved Field: resv2

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1 9.1.3.2.39.1.10	No	DisplayString	Read-only	Space size	0..64

Example:

```
***** SNMP QUERY STARTED *****
1: resv2.0.0 (octet string) unknown [75.6E.6B.6E.6F.77.6E (hex)]
2: resv2.0.1 (octet string) unknown [75.6E.6B.6E.6F.77.6E (hex)]
3: resv2.0.2 (octet string) unknown [75.6E.6B.6E.6F.77.6E (hex)]
4: resv2.0.3 (octet string) unknown [75.6E.6B.6E.6F.77.6E (hex)]
5: resv2.1.0 (octet string) unknown [75.6E.6B.6E.6F.77.6E (hex)]
6: resv2.1.1 (octet string) unknown [75.6E.6B.6E.6F.77.6E (hex)]
7: resv2.2.0 (octet string) unknown [75.6E.6B.6E.6F.77.6E (hex)]
8: resv2.2.1 (octet string) unknown [75.6E.6B.6E.6F.77.6E (hex)]
***** SNMP QUERY FINISHED *****
```

Port Type: portInterfaceType

For a description of this child node, refer to [Table 2-397](#).

Table 2-397 Port Type: portInterfaceType

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1 9.1.3.2.39.1.11	No	Unsigned32	Read-only	Single value	electricalPort(0) opticalPort(1) serdes(2) na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: portInterfaceType.0.0 (gauge) opticalPort(1)
2: portInterfaceType.0.1 (gauge) opticalPort(1)
3: portInterfaceType.0.2 (gauge) electricalPort(0)
4: portInterfaceType.0.3 (gauge) electricalPort(0)
5: portInterfaceType.1.0 (gauge) opticalPort(1)
6: portInterfaceType.1.1 (gauge) opticalPort(1)
7: portInterfaceType.2.0 (gauge) opticalPort(1)
8: portInterfaceType.2.1 (gauge) opticalPort(1)
***** SNMP QUERY FINISHED *****
```

LLDP Enabling Flag: lldpEnable

For a description of this child node, refer to [Table 2-398](#).

Table 2-398 LLDP Enabling Flag: lldpEnable

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1 9.1.3.2.39.1.12	No	Unsigned32	Read-only	Single value	true(1) false(0) na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: lldpEnable.0.1 (gauge) na(255)
2: lldpEnable.0.2 (gauge) na(255)
3: lldpEnable.1.1 (gauge) true(1)
4: lldpEnable.1.2 (gauge) true(1)
5: lldpEnable.2.1 (gauge) true(1)
6: lldpEnable.2.2 (gauge) true(1)
***** SNMP QUERY FINISHED *****
```

LLDP Operating Mode: workMode

For a description of this child node, refer to [Table 2-399](#).

Table 2-399 LLDP Operating Mode: workMode

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1 9.1.3.2.39.1.13	No	DisplayString	Read-only	Space size	0..16

Example:

```
***** SNMP QUERY STARTED *****
1: workMode.0.1 (octet string) N/A [4E.2F.41 (hex)]
2: workMode.0.2 (octet string) N/A [4E.2F.41 (hex)]
3: workMode.1.1 (octet string) TxRx [54.78.52.78 (hex)]
4: workMode.1.2 (octet string) TxRx [54.78.52.78 (hex)]
5: workMode.2.1 (octet string) TxRx [54.78.52.78 (hex)]
6: workMode.2.2 (octet string) TxRx [54.78.52.78 (hex)]
***** SNMP QUERY FINISHED *****
```

2.3.4 NIC Health Status Information: netCardStatus

Parent Node

For a description of the parent node netCardStatus, refer to [Table 2-400](#).

Table 2-400 netCardStatus—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
netCardStatus	Tabular	NIC health status information	1.3.6.1.4.1.3902.6053.19.1.3.2.40

Child Node

For a description of the child nodes of netCardStatus, refer to [Table 2-401](#).

Table 2-401 netCardStatus—Child Nodes

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
cardType	NIC slot type	1.3.6.1.4.1.3902.6053.19.1.3.2.40.1.1	Yes	Unsigned32
cardSlot	NIC slot	1.3.6.1.4.1.3902.6053.19.1.3.2.40.1.2	Yes	Unsigned32
cardStatus	NIC health status	1.3.6.1.4.1.3902.6053.19.1.3.2.40.1.3	No	Unsigned32

NIC Slot Type: cardType

For a description of this child node, refer to [Table 2-402](#).

Table 2-402 NIC Slot Type: cardType

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.40.1.1	Yes	Unsigned32	Read-only	Single value	embedded(0) pcie(1) ocp(2)

Example:

```
***** SNMP QUERY STARTED *****
1: cardType.0.1 (gauge) embedded(0)
2: cardType.1.1 (gauge) pcie(1)
3: cardType.1.8 (gauge) pcie(1)
***** SNMP QUERY FINISHED *****
```

NIC Slot: cardSlot

For a description of this child node, refer to [Table 2-403](#).

Table 2-403 NIC Slot: cardSlot

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1 9.1.3.2.40.1.2	Yes	Unsigned32	Read-only	Value range	1..255

Example:

```
***** SNMP QUERY STARTED *****
1: cardSlot.0.1 (gauge) 1
2: cardSlot.1.1 (gauge) 1
3: cardSlot.1.8 (gauge) 8
***** SNMP QUERY FINISHED *****
```

NIC Health Status: cardStatus

For a description of this child node, refer to [Table 2-404](#).

Table 2-404 NIC Health Status: cardStatus

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.60 53.19.1.3.2.40.1.3	No	Unsigned32	Read-only	Single value	healthy(1) unhealthy(0) na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: cardStatus.0.1 (gauge) healthy(1)
2: cardStatus.1.1 (gauge) healthy(1)
3: cardStatus.1.8 (gauge) healthy(1)
***** SNMP QUERY FINISHED *****
```

2.3.5 FC Card Information: fcInfo**Parent Node**

For a description of the parent node fcInfo, refer to [Table 2-405](#).

Table 2-405 fcInfo—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
fcInfo	Tabular	FC card information	1.3.6.1.4.1.3902.6053.19.1.3.2.52

Child Node

For a description of the child nodes of fcInfo, refer to [Table 2-406](#).

Table 2-406 fcInfo—Child Nodes

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
fcIndex	FC card ID, numbered from 0	1.3.6.1.4.1.3902.6053.19.1.3.2.52.1.1	Yes	Unsigned32
fcCardName	FC card name	1.3.6.1.4.1.3902.6053.19.1.3.2.52.1.2	No	DisplayString
fcManuFature	FC card manufacturer	1.3.6.1.4.1.3902.6053.19.1.3.2.52.1.3	No	DisplayString
fcSerialNum	FC card serial number	1.3.6.1.4.1.3902.6053.19.1.3.2.52.1.4	No	DisplayString
fcChipProductName	FC card chip model	1.3.6.1.4.1.3902.6053.19.1.3.2.52.1.5	No	DisplayString
fcChipManuFature	FC card chip manufacturer	1.3.6.1.4.1.3902.6053.19.1.3.2.52.1.6	No	DisplayString
fcFirmwareVersion	FC card firmware version number	1.3.6.1.4.1.3902.6053.19.1.3.2.52.1.7	No	DisplayString
fcDriverName	In-band driver name of the FC card	1.3.6.1.4.1.3902.6053.19.1.3.2.52.1.8	No	DisplayString
fcDriverVersion	In-band driver version number of the FC card	1.3.6.1.4.1.3902.6053.19.1.3.2.52.1.9	No	DisplayString
fcTotalPort	FC card port quantity	1.3.6.1.4.1.3902.6053.19.1.3.2.52.1.10	No	Unsigned32
fcPcieSlot	FC card location information	1.3.6.1.4.1.3902.6053.19.1.3.2.52.1.11	No	Unsigned32
fcCardStatus	FC card health status	1.3.6.1.4.1.3902.6053.19.1.3.2.52.1.12	No	Unsigned32

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
fcPartNum	Part number	1.3.6.1.4.1.3902.6053.19.1.3.2.52.1.13	No	DisplayString

FC Card ID: fcIndex

For a description of this child node, refer to [Table 2-407](#).

Table 2-407 FC Card ID: fcIndex

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.52.1.1	Yes	Unsigned32	Read-only	Value range	0..255

Example:

```
***** SNMP QUERY STARTED *****
1: cardStatus.0.1 (gauge) health(1)
2: cardStatus.1.1 (gauge) health(1)
3: cardStatus.1.8 (gauge) health(1)
***** SNMP QUERY FINISHED *****
```

FC Card Name: fcCardName

For a description of this child node, refer to [Table 2-408](#).

Table 2-408 FC Card Name: fcCardName

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.52.1.2	No	DisplayString	Read-only	Space size	0..16

Example:

```
***** SNMP QUERY STARTED *****
1: fcCardName.0 (octet string) QLE2690-SR-AK
[51.4C.45.32.36.39.30.2D.53.52.2D.41.4B (hex)]
***** SNMP QUERY FINISHED *****
```

FC Card Manufacturer: fcManuFacture

For a description of this child node, refer to [Table 2-409](#).

Table 2-409 FC Card Manufacturer: fcManuFacture

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.52.1.3	No	DisplayString	Read-only	Space size	0..16

Example:

```
***** SNMP QUERY STARTED *****
1: fcManuFacture.0 (octet string) Qlogic [51.6C.6F.67.69.63 (hex)]
***** SNMP QUERY FINISHED *****
```

FC Card Serial Number: fcSerialNum

For a description of this child node, refer to [Table 2-410](#).

Table 2-410 FC Card Serial Number: fcSerialNum

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.52.1.4	No	DisplayString	Read-only	Space size	0..12

Example:

```
***** SNMP QUERY STARTED *****
1: fcSerialNum.0 (octet string) RFD1946F84936 [52.46.44.31.39.34.36.46.38.34.39.33.36 (hex)]
***** SNMP QUERY FINISHED *****
```

FC Card Chip Model: fcChipProductName

For a description of this child node, refer to [Table 2-411](#).

Table 2-411 FC Card Chip Model: fcChipProductName

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.52.1.5	No	DisplayString	Read-only	Space size	0..32

Example:

```
***** SNMP QUERY STARTED *****
1: fcChipProductName.0 (octet string) ISP2722 [49.53.50.32.37.32.32 (hex)]
***** SNMP QUERY FINISHED *****
```

FC Card Chip Manufacturer: fcChipManuFacture

For a description of this child node, refer to [Table 2-412](#).

Table 2-412 FC Card Chip Manufacturer: fcChipManuFacture

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.52.1.6	No	DisplayString	Read-only	Space size	0..16

Example:

```
***** SNMP QUERY STARTED *****
1: fcChipManuFacture.0 (octet string) Qlogic [51.6C.6F.67.69.63 (hex)]
***** SNMP QUERY FINISHED *****
```

FC Card Firmware Version Number: fcFirmwareVersion

For a description of this child node, refer to [Table 2-413](#).

Table 2-413 FC Card Firmware Version Number: fcFirmwareVersion

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.52.1.7	No	DisplayString	Read-only	Space size	0..16

Example:

```
***** SNMP QUERY STARTED *****
1: fcFirmwareVersion.0 (octet string) 09.01.18.00 [30.39.2E.30.31.2E.31.38.2E.30.30 (hex)]
***** SNMP QUERY FINISHED *****
```

In-band Driver Name of FC Card: fcDriverName

For a description of this child node, refer to [Table 2-414](#).

Table 2-414 In-band Driver Name of FC Card: fcDriverName

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.52.1.8	No	DisplayString	Read-only	Space size	0..32

Example:

```
***** SNMP QUERY STARTED *****
1: fcDriverName.0 (octet string) qla2xxx [71.6C.61.32.78.78.78 (hex)]
```

```
***** SNMP QUERY FINISHED *****
```

In-band Driver Version Number of FC Card: fcDriverVersion

For a description of this child node, refer to [Table 2-415](#).

Table 2-415 In-band Driver Version Number of FC Card: fcDriverVersion

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.52.1.9	No	DisplayString	Read-only	Space size	0..16

Example:

```
***** SNMP QUERY STARTED *****
1: fcDriverVersion.0 (octet string) na [6E.61 (hex)]
***** SNMP QUERY FINISHED *****
```

FC Card Port Quantity: fcTotalPort

For a description of this child node, refer to [Table 2-416](#).

Table 2-416 FC Card Port Quantity: fcTotalPort

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.52.1.10	No	Unsigned32	Read-only	Value range	0..16

Example:

```
***** SNMP QUERY STARTED *****
1: fcTotalPort.0 (gauge) 1
***** SNMP QUERY FINISHED *****
```

FC Card Location Information: fcPcieSlot

For a description of this child node, refer to [Table 2-417](#).

Table 2-417 FC Card Location Information: fcPcieSlot

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.52.1.11	No	Unsigned32	Read-only	Value range	1..64

Example:

```
***** SNMP QUERY STARTED *****
```

```
1: fcPcieSlot.0 (gauge) 2
***** SNMP QUERY FINISHED *****
```

FC Card Health Status: fcCardStatus

For a description of this child node, refer to [Table 2-418](#).

Table 2-418 FC Card Health Status: fcCardStatus

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.52.1.12	No	Unsigned32	Read-only	Single value	healthy(1) unhealthy(0) na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: fcCardStatus.0 (gauge) healthy(1)
***** SNMP QUERY FINISHED *****
```

Part Number: fcPartNum

For a description of this child node, refer to [Table 2-419](#).

Table 2-419 Part Number: fcPartNum

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.52.1.13	No	DisplayString	Read-only	Space size	0..12

Example:

```
***** SNMP QUERY STARTED *****
1: fcPartNum.0 (octet string) na [6E.61 (hex)]
***** SNMP QUERY FINISHED *****
```

2.3.6 FC Card Port Information: fcPortInfo

Parent Node

For a description of the parent node fcPortInfo, refer to [Table 2-420](#).

Table 2-420 fcPortInfo—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
fcPortInfo	Tabular	FC card port information	1.3.6.1.4.1.3902.6053.19.1.3.2.53

Child Node

For a description of the child nodes of fcPortInfo, refer to [Table 2-421](#).

Table 2-421 fcPortInfo—Child Nodes

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
fcSrcCardIndex	FC card ID, numbered from 0	1.3.6.1.4.1.3902.6053.19.1.3.2.53.1.1	Yes	Unsigned32
fcSrcCardName	FC card name	1.3.6.1.4.1.3902.6053.19.1.3.2.53.1.2	No	DisplayString
fcPortIndex	FC card port ID	1.3.6.1.4.1.3902.6053.19.1.3.2.53.1.3	Yes	Unsigned32
fcPortState	FC card port connection status	1.3.6.1.4.1.3902.6053.19.1.3.2.53.1.4	No	Unsigned32
fcLinkSpeed	FC card connection speed (Gbit/s)	1.3.6.1.4.1.3902.6053.19.1.3.2.53.1.5	No	Unsigned32
fcSupportedSpeed	Supported FC card speed (Gbit/s)	1.3.6.1.4.1.3902.6053.19.1.3.2.53.1.6	No	Unsigned32
fcProtocolType	FC card protocol	1.3.6.1.4.1.3902.6053.19.1.3.2.53.1.7	No	Unsigned32
fcWwnn	FC card port WWNN	1.3.6.1.4.1.3902.6053.19.1.3.2.53.1.8	No	DisplayString
fcWwpn	FC card port WW-PN	1.3.6.1.4.1.3902.6053.19.1.3.2.53.1.9	No	DisplayString

FC Card ID: fcSrcCardIndex

For a description of this child node, refer to [Table 2-422](#).

Table 2-422 FC Card ID: fcSrcCardIndex

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.53.1.1	Yes	Unsigned32	Read-only	Value range	0..255

Example:

```
***** SNMP QUERY STARTED *****
1: fcSrcCardIndex.0.0 (gauge) 0
***** SNMP QUERY FINISHED *****
```

FC Card Name: fcSrcCardName

For a description of this child node, refer to [Table 2-423](#).

Table 2-423 FC Card Name: fcSrcCardName

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.53.1.2	No	DisplayString	Read-only	Space size	0..16

Example:

```
***** SNMP QUERY STARTED *****
1: fcSrcCardName.0.0 (octet string) QLE2690-SR-AK [51.4C.45.32.36.39.30.2D.53.52.2D.41.4B (hex)]
***** SNMP QUERY FINISHED *****
```

FC Card Port ID: fcPortIndex

For a description of this child node, refer to [Table 2-424](#).

Table 2-424 FC Card Port ID: fcPortIndex

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.53.1.3	Yes	Unsigned32	Read-only	Value range	0..16

Example:

```
***** SNMP QUERY STARTED *****
1: fcPortIndex.0.0 (gauge) 0
***** SNMP QUERY FINISHED *****
```

FC Card Port Connection Status: fcPortState

For a description of this child node, refer to [Table 2-425](#).

Table 2-425 FC Card Port Connection Status: fcPortState

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19 .1.3.2.53.1.4	No	Unsigned32	Read-only	Single value	down(0) up(1) na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: fcPortState.0.0 (gauge) down(0)
***** SNMP QUERY FINISHED *****
```

FC Card Connection Speed: fcLinkSpeed

For a description of this child node, refer to [Table 2-426](#).

Table 2-426 FC Card Connection Speed: fcLinkSpeed

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19 .1.3.2.53.1.5	No	Unsigned32	Read-only	Single value	na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: fcLinkSpeed.0.0 (gauge) na(255)
***** SNMP QUERY FINISHED *****
```

Supported FC Card Speed: fcSupportedSpeed

For a description of this child node, refer to [Table 2-427](#).

Table 2-427 Supported FC Card Speed: fcSupportedSpeed

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1 9.1.3.2.53.1.6	No	Unsigned32	Read-only	Single value	supportSpeed4-8-1 6G(28) supportSpeed8-16- 32G(56) supportSpeed16-3 2G(48)

Example:

```
***** SNMP QUERY STARTED *****
1: fcSupportedSpeed.0.0 (gauge) supportSpeed4-8-16G(28)
***** SNMP QUERY FINISHED *****
```

FC Card Protocol: fcProtocolType

For a description of this child node, refer to [Table 2-428](#).

Table 2-428 FC Card Protocol: fcProtocolType

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.53.1.7	No	Unsigned32	Read-only	Single value	unknown(0) fc(1) na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: fcProtocolType.0.0 (gauge) fc(1)
***** SNMP QUERY FINISHED *****
```

FC Card Port: fcWwnn

For a description of this child node, refer to [Table 2-429](#).

Table 2-429 FC Card Port: fcWwnn

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.53.1.8	No	DisplayString	Read-only	Space size	0..24

Example:

```
***** SNMP QUERY STARTED *****
1: fcWwnn.0.0 (octet string) 20:00:34:80:0d:3c:cc:0d
[32.30.3A.30.30.3A.33.34.3A.38.30.3A.30.64.3A.33.63.3A.63.63.3A.30.64 (hex)]
***** SNMP QUERY FINISHED *****
```

FC Card Port: fcWwpn

For a description of this child node, refer to [Table 2-430](#).

Table 2-430 FC Card Port: fcWwpns

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.53.1.9	No	DisplayString	Read-only	Space size	0..24

Example:

```
***** SNMP QUERY STARTED *****
[32.31.3A.30.30.3A.33.34.3A.38.30.3A.30.64.3A.33.63.3A.63.63.3A.30.64 (hex)]
***** SNMP QUERY FINISHED *****
```

2.4 Memory Query Operations

2.4.1 Memory Information Form: memoryInfo

Parent Node

For a description of the parent node memoryInfo, refer to [Table 2-431](#).

Table 2-431 memoryInfo—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
memoryInfo	Tabular	Memory information form	1.3.6.1.4.1.3902.6053.19.1.3.2.24

Child Node

For a description of the child nodes of memoryInfo, refer to [Table 2-432](#).

Table 2-432 memoryInfo—Child Nodes

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
memCardNum	Memory card ID	1.3.6.1.4.1.3902.6053.19.1.3.2.24.1.1	Yes	Unsigned32
memSilkNum	Memory silk screen ID	1.3.6.1.4.1.3902.6053.19.1.3.2.24.1.2	Yes	DisplayString
memIndex	Memory ID	1.3.6.1.4.1.3902.6053.19.1.3.2.24.1.3	No	Unsigned32
memCapacity	Memory capacity	1.3.6.1.4.1.3902.6053.19.1.3.2.24.1.4	No	Unsigned32

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
memEncapMethod	Memory encapsulation method	1.3.6.1.4.1.3902.6053.19.1.3.2.24.1.5	No	DisplayString
eccType	ECC type	1.3.6.1.4.1.3902.6053.19.1.3.2.24.1.6	No	DisplayString
isLowVol	DDR voltage (volts)	1.3.6.1.4.1.3902.6053.19.1.3.2.24.1.7	No	DisplayString
bModuleType	DRAM type	1.3.6.1.4.1.3902.6053.19.1.3.2.24.1.8	No	DisplayString
memNum	Number of supported memories	1.3.6.1.4.1.3902.6053.19.1.3.2.24.1.9	No	Unsigned32
memType	DIMM type	1.3.6.1.4.1.3902.6053.19.1.3.2.24.1.10	No	DisplayString
memFrequency	Memory frequency (MHz)	1.3.6.1.4.1.3902.6053.19.1.3.2.24.1.11	No	Unsigned32
memMan	Memory manufacturer	1.3.6.1.4.1.3902.6053.19.1.3.2.24.1.12	No	DisplayString
memSerial	Memory serial number	1.3.6.1.4.1.3902.6053.19.1.3.2.24.1.13	No	DisplayString
memRegisterNum	Memory part number	1.3.6.1.4.1.3902.6053.19.1.3.2.24.1.14	No	DisplayString
memAlarmStatus	Memory alarm status	1.3.6.1.4.1.3902.6053.19.1.3.2.24.1.15	No	Unsigned32

Memory Card ID: memCardNum

For a description of this child node, refer to [Table 2-433](#).

Table 2-433 Memory Card ID: memCardNum

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.24.1.1	Yes	Unsigned32	Read-only	Value range	0..8

Example:

```
***** SNMP QUERY STARTED *****
1: memCardNum.0.5.68.73.77.77.49 (gauge) 0
2: memCardNum.0.5.68.73.77.77.50 (gauge) 0
```

```

3: memCardNum.0.5.68.73.77.77.51 (gauge) 0
4: memCardNum.0.5.68.73.77.77.52 (gauge) 0
5: memCardNum.0.5.68.73.77.77.53 (gauge) 0
6: memCardNum.0.5.68.73.77.77.54 (gauge) 0
7: memCardNum.0.5.68.73.77.77.55 (gauge) 0
8: memCardNum.0.5.68.73.77.77.56 (gauge) 0
9: memCardNum.0.5.68.73.77.77.57 (gauge) 0
10: memCardNum.0.6.68.73.77.77.49.48 (gauge) 0
***** SNMP QUERY FINISHED *****

```

Memory Silk Screen ID: memSilkNum

For a description of this child node, refer to [Table 2-434](#).

Table 2-434 Memory Silk Screen ID: memSilkNum

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.24.1.2	Yes	DisplayString	Read-only	Space size	0..16

Example:

```

***** SNMP QUERY STARTED *****
1: memSilkNum.0.5.68.73.77.77.49 (octet string) DIMM1 [44.49.4D.4D.31 (hex)]
2: memSilkNum.0.5.68.73.77.77.50 (octet string) DIMM2 [44.49.4D.4D.32 (hex)]
3: memSilkNum.0.5.68.73.77.77.51 (octet string) DIMM3 [44.49.4D.4D.33 (hex)]
4: memSilkNum.0.5.68.73.77.77.52 (octet string) DIMM4 [44.49.4D.4D.34 (hex)]
5: memSilkNum.0.5.68.73.77.77.53 (octet string) DIMM5 [44.49.4D.4D.35 (hex)]
6: memSilkNum.0.5.68.73.77.77.54 (octet string) DIMM6 [44.49.4D.4D.36 (hex)]
7: memSilkNum.0.5.68.73.77.77.55 (octet string) DIMM7 [44.49.4D.4D.37 (hex)]
8: memSilkNum.0.5.68.73.77.77.56 (octet string) DIMM8 [44.49.4D.4D.38 (hex)]
9: memSilkNum.0.5.68.73.77.77.57 (octet string) DIMM9 [44.49.4D.4D.39 (hex)]
10: memSilkNum.0.6.68.73.77.77.49.48 (octet string) DIMM10 [44.49.4D.4D.31.30 (hex)]
***** SNMP QUERY FINISHED *****

```

Memory ID: memIndex

For a description of this child node, refer to [Table 2-435](#).

Table 2-435 Memory ID: memIndex

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.24.1.3	No	Unsigned32	Read-only	None	None

Example:

```

***** SNMP QUERY STARTED *****
1: memIndex.0.5.68.73.77.77.49 (gauge) 1
2: memIndex.0.5.68.73.77.77.50 (gauge) 2
3: memIndex.0.5.68.73.77.77.51 (gauge) 3
4: memIndex.0.5.68.73.77.77.52 (gauge) 4
5: memIndex.0.5.68.73.77.77.53 (gauge) 5
6: memIndex.0.5.68.73.77.77.54 (gauge) 6
7: memIndex.0.5.68.73.77.77.55 (gauge) 7
8: memIndex.0.5.68.73.77.77.56 (gauge) 8
9: memIndex.0.5.68.73.77.77.57 (gauge) 9
10: memIndex.0.6.68.73.77.77.49.48 (gauge) 10
***** SNMP QUERY FINISHED *****

```

Memory Capacity: memCapacity

For a description of this child node, refer to [Table 2-436](#).

Table 2-436 Memory Capacity: memCapacity

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.24.1.4	No	Unsigned32	Read-only	None	None

Example:

```

***** SNMP QUERY STARTED *****
1: memCapacity.0.5.68.73.77.77.49 (gauge) 8
2: memCapacity.0.5.68.73.77.77.50 (gauge) 8
3: memCapacity.0.5.68.73.77.77.51 (gauge) 8
4: memCapacity.0.5.68.73.77.77.52 (gauge) 8
5: memCapacity.0.5.68.73.77.77.53 (gauge) 8
6: memCapacity.0.5.68.73.77.77.54 (gauge) 8
7: memCapacity.0.5.68.73.77.77.55 (gauge) 8
8: memCapacity.0.5.68.73.77.77.56 (gauge) 8
9: memCapacity.0.5.68.73.77.77.57 (gauge) 8
10: memCapacity.0.6.68.73.77.77.49.48 (gauge) 8
***** SNMP QUERY FINISHED *****

```

Memory Encapsulation Method: memEncapMethod

For a description of this child node, refer to [Table 2-437](#).

Table 2-437 Memory Encapsulation Method: memEncapMethod

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.24.1.5	No	DisplayString	Read-only	Space size	0..8

Example:

```
***** SNMP QUERY STARTED *****
1: memEncapMethod.0.5.68.73.77.77.49 (octet string) DIMM [44.49.4D.4D (hex)]
2: memEncapMethod.0.5.68.73.77.77.50 (octet string) DIMM [44.49.4D.4D (hex)]
3: memEncapMethod.0.5.68.73.77.77.51 (octet string) DIMM [44.49.4D.4D (hex)]
4: memEncapMethod.0.5.68.73.77.77.52 (octet string) DIMM [44.49.4D.4D (hex)]
5: memEncapMethod.0.5.68.73.77.77.53 (octet string) DIMM [44.49.4D.4D (hex)]
6: memEncapMethod.0.5.68.73.77.77.54 (octet string) DIMM [44.49.4D.4D (hex)]
7: memEncapMethod.0.5.68.73.77.77.55 (octet string) DIMM [44.49.4D.4D (hex)]
8: memEncapMethod.0.5.68.73.77.77.56 (octet string) DIMM [44.49.4D.4D (hex)]
9: memEncapMethod.0.5.68.73.77.77.57 (octet string) DIMM [44.49.4D.4D (hex)]
10: memEncapMethod.0.6.68.73.77.77.49.48 (octet string) DIMM [44.49.4D.4D (hex)]
***** SNMP QUERY FINISHED *****
```

ECC Type: eccType

For a description of this child node, refer to [Table 2-438](#).

Table 2-438 ECC Type: eccType

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1.9.1.3.2.24.1.6	No	DisplayString	Read-only	Space size	0..64

Example:

```
***** SNMP QUERY STARTED *****
1: eccType.0.5.68.73.77.77.49 (octet string) Multi-bit ECC
[4D.75.6C.74.69.2D.62.69.74.20.45.43.43 (hex)]
2: eccType.0.5.68.73.77.77.50 (octet string) Multi-bit ECC
[4D.75.6C.74.69.2D.62.69.74.20.45.43.43 (hex)]
3: eccType.0.5.68.73.77.77.51 (octet string) Multi-bit ECC
[4D.75.6C.74.69.2D.62.69.74.20.45.43.43 (hex)]
4: eccType.0.5.68.73.77.77.52 (octet string) Multi-bit ECC
[4D.75.6C.74.69.2D.62.69.74.20.45.43.43 (hex)]
5: eccType.0.5.68.73.77.77.53 (octet string) Multi-bit ECC
[4D.75.6C.74.69.2D.62.69.74.20.45.43.43 (hex)]
6: eccType.0.5.68.73.77.77.54 (octet string) Multi-bit ECC
```

```
[4D.75.6C.74.69.2D.62.69.74.20.45.43.43 (hex)]
7: eccType.0.5.68.73.77.77.55 (octet string) Multi-bit ECC
[4D.75.6C.74.69.2D.62.69.74.20.45.43.43 (hex)]
8: eccType.0.5.68.73.77.77.56 (octet string) Multi-bit ECC
[4D.75.6C.74.69.2D.62.69.74.20.45.43.43 (hex)]
9: eccType.0.5.68.73.77.77.57 (octet string) Multi-bit ECC
[4D.75.6C.74.69.2D.62.69.74.20.45.43.43 (hex)]
10: eccType.0.6.68.73.77.77.49.48 (octet string) Multi-bit ECC
[4D.75.6C.74.69.2D.62.69.74.20.45.43.43 (hex)]
***** SNMP QUERY FINISHED *****
```

DDR Voltage: isLowVol

For a description of this child node, refer to [Table 2-439](#).

Table 2-439 DDR Voltage: isLowVol

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.24.1.7	No	DisplayString	Read-only	Space size	0..64

Example:

```
***** SNMP QUERY STARTED *****
1: isLowVol.0.5.68.73.77.77.49 (octet string) 1.20V [31.2E.32.30.56 (hex)]
2: isLowVol.0.5.68.73.77.77.50 (octet string) 1.20V [31.2E.32.30.56 (hex)]
3: isLowVol.0.5.68.73.77.77.51 (octet string) 1.20V [31.2E.32.30.56 (hex)]
4: isLowVol.0.5.68.73.77.77.52 (octet string) 1.20V [31.2E.32.30.56 (hex)]
5: isLowVol.0.5.68.73.77.77.53 (octet string) 1.20V [31.2E.32.30.56 (hex)]
6: isLowVol.0.5.68.73.77.77.54 (octet string) 1.20V [31.2E.32.30.56 (hex)]
7: isLowVol.0.5.68.73.77.77.55 (octet string) 1.20V [31.2E.32.30.56 (hex)]
8: isLowVol.0.5.68.73.77.77.56 (octet string) 1.20V [31.2E.32.30.56 (hex)]
9: isLowVol.0.5.68.73.77.77.57 (octet string) 1.20V [31.2E.32.30.56 (hex)]
10: isLowVol.0.6.68.73.77.77.49.48 (octet string) 1.20V [31.2E.32.30.56 (hex)]
***** SNMP QUERY FINISHED *****
```

DRAM Type: bModuleType

For a description of this child node, refer to [Table 2-440](#).

Table 2-440 DRAM Type: bModuleType

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.24.1.8	No	DisplayString	Read-only	Space size	0..64

Example:

```
***** SNMP QUERY STARTED *****
1: bModuleType.0.5.68.73.77.77.49 (octet string) RDIMM [52.44.49.4D.4D (hex)]
2: bModuleType.0.5.68.73.77.77.50 (octet string) RDIMM [52.44.49.4D.4D (hex)]
3: bModuleType.0.5.68.73.77.77.51 (octet string) RDIMM [52.44.49.4D.4D (hex)]
4: bModuleType.0.5.68.73.77.77.52 (octet string) RDIMM [52.44.49.4D.4D (hex)]
5: bModuleType.0.5.68.73.77.77.53 (octet string) RDIMM [52.44.49.4D.4D (hex)]
6: bModuleType.0.5.68.73.77.77.54 (octet string) RDIMM [52.44.49.4D.4D (hex)]
7: bModuleType.0.5.68.73.77.77.55 (octet string) RDIMM [52.44.49.4D.4D (hex)]
8: bModuleType.0.5.68.73.77.77.56 (octet string) RDIMM [52.44.49.4D.4D (hex)]
9: bModuleType.0.5.68.73.77.77.57 (octet string) RDIMM [52.44.49.4D.4D (hex)]
10: bModuleType.0.6.68.73.77.77.49.48 (octet string) RDIMM [52.44.49.4D.4D
(hex)]
***** SNMP QUERY FINISHED *****
```

Number of Supported Memories: memNum

For a description of this child node, refer to [Table 2-441](#).

Table 2-441 Number of Supported Memories: memNum

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.24.1.9	No	Unsigned32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: memNum.0.5.68.73.77.77.49 (gauge) 0
2: memNum.0.5.68.73.77.77.50 (gauge) 0
3: memNum.0.5.68.73.77.77.51 (gauge) 0
4: memNum.0.5.68.73.77.77.52 (gauge) 0
5: memNum.0.5.68.73.77.77.53 (gauge) 0
6: memNum.0.5.68.73.77.77.54 (gauge) 0
7: memNum.0.5.68.73.77.77.55 (gauge) 0
8: memNum.0.5.68.73.77.77.56 (gauge) 0
9: memNum.0.5.68.73.77.77.57 (gauge) 0
10: memNum.0.6.68.73.77.77.49.48 (gauge) 0
***** SNMP QUERY FINISHED *****
```

DIMM Type: type: memType

For a description of this child node, refer to [Table 2-442](#).

Table 2-442 DIMM Type: type: memType

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.24.1.10	No	DisplayString	Read-only	Space size	0..20

Example:

```
***** SNMP QUERY STARTED *****
1: memType.0.5.68.73.77.77.49 (octet string) DDR4 [44.44.52.34 (hex)]
2: memType.0.5.68.73.77.77.50 (octet string) DDR4 [44.44.52.34 (hex)]
3: memType.0.5.68.73.77.77.51 (octet string) DDR4 [44.44.52.34 (hex)]
4: memType.0.5.68.73.77.77.52 (octet string) DDR4 [44.44.52.34 (hex)]
5: memType.0.5.68.73.77.77.53 (octet string) DDR4 [44.44.52.34 (hex)]
6: memType.0.5.68.73.77.77.54 (octet string) DDR4 [44.44.52.34 (hex)]
7: memType.0.5.68.73.77.77.55 (octet string) DDR4 [44.44.52.34 (hex)]
8: memType.0.5.68.73.77.77.56 (octet string) DDR4 [44.44.52.34 (hex)]
9: memType.0.5.68.73.77.77.57 (octet string) DDR4 [44.44.52.34 (hex)]
10: memType.0.6.68.73.77.77.49.48 (octet string) DDR4 [44.44.52.34 (hex)]
***** SNMP QUERY FINISHED *****
```

Memory Frequency: memFrequency

For a description of this child node, refer to [Table 2-443](#).

Table 2-443 Memory Frequency: memFrequency

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.24.1.11	No	Unsigned32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: memFrequency.0.5.68.73.77.77.49 (gauge) 2133
2: memFrequency.0.5.68.73.77.77.50 (gauge) 2133
3: memFrequency.0.5.68.73.77.77.51 (gauge) 2133
4: memFrequency.0.5.68.73.77.77.52 (gauge) 2133
5: memFrequency.0.5.68.73.77.77.53 (gauge) 2133
6: memFrequency.0.5.68.73.77.77.54 (gauge) 2133
7: memFrequency.0.5.68.73.77.77.55 (gauge) 2133
8: memFrequency.0.5.68.73.77.77.56 (gauge) 2133
9: memFrequency.0.5.68.73.77.77.57 (gauge) 2133
10: memFrequency.0.6.68.73.77.77.49.48 (gauge) 2133
***** SNMP QUERY FINISHED *****
```

Memory Manufacturer: memMan

For a description of this child node, refer to [Table 2-444](#).

Table 2-444 Memory Manufacturer: memMan

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.24.1.12	No	DisplayString	Read-only	Space size	0..32

Example:

```
***** SNMP QUERY STARTED *****
1: memMan.0.5.68.73.77.77.49 (octet string) Samsung [53.61.6D.73.75.6E.67 (hex)]
2: memMan.0.5.68.73.77.77.50 (octet string) Samsung [53.61.6D.73.75.6E.67 (hex)]
3: memMan.0.5.68.73.77.77.51 (octet string) Samsung [53.61.6D.73.75.6E.67 (hex)]
4: memMan.0.5.68.73.77.77.52 (octet string) Samsung [53.61.6D.73.75.6E.67 (hex)]
5: memMan.0.5.68.73.77.77.53 (octet string) Samsung [53.61.6D.73.75.6E.67 (hex)]
6: memMan.0.5.68.73.77.77.54 (octet string) Samsung [53.61.6D.73.75.6E.67 (hex)]
7: memMan.0.5.68.73.77.77.55 (octet string) Samsung [53.61.6D.73.75.6E.67 (hex)]
8: memMan.0.5.68.73.77.77.56 (octet string) Samsung [53.61.6D.73.75.6E.67 (hex)]
9: memMan.0.5.68.73.77.77.57 (octet string) Samsung [53.61.6D.73.75.6E.67 (hex)]
10: memMan.0.6.68.73.77.77.49.48 (octet string) Samsung [53.61.6D.73.75.6E.67 (hex)]
***** SNMP QUERY FINISHED *****
```

Memory Serial Number: memSerial

For a description of this child node, refer to [Table 2-445](#).

Table 2-445 Memory Serial Number: memSerial

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.24.1.13	No	DisplayString	Read-only	Space size	0..32

Example:

```
***** SNMP QUERY STARTED *****
1: memSerial.0.5.68.73.77.77.49 (octet string) 4027dbbc [34.30.32.37.64.62.62.63 (hex)]
2: memSerial.0.5.68.73.77.77.50 (octet string) 39fa929d [33.39.66.61.39.32.39.64 (hex)]
3: memSerial.0.5.68.73.77.77.51 (octet string) 38ede562 [33.38.65.64.65.35.36.32 (hex)]
4: memSerial.0.5.68.73.77.77.52 (octet string) 38ec11cb [33.38.65.63.31.31.63.62 (hex)]
5: memSerial.0.5.68.73.77.77.53 (octet string) 731cdf83 [37.33.31.63.64.66.38.33 (hex)]
6: memSerial.0.5.68.73.77.77.54 (octet string) 40282431 [34.30.32.38.32.34.33.31 (hex)]
7: memSerial.0.5.68.73.77.77.55 (octet string) 39bedf6a [33.39.62.65.64.66.36.61 (hex)]
```

```

8: memSerial.0.5.68.73.77.77.56 (octet string) 402818d2 [34.30.32.38.31.38.64.32 (hex)]
9: memSerial.0.5.68.73.77.77.57 (octet string) 01eeaa01 [30.31.65.65.61.61.30.31 (hex)]
10: memSerial.0.6.68.73.77.77.49.48 (octet string) 40281cb3[34.30.32.38.31.63.62.33 (hex)]
11: memSerial.0.6.68.73.77.77.49.49 (octet string) 38ede018[33.38.65.64.65.30.31.38 (hex)]
12: memSerial.0.6.68.73.77.77.49.50 (octet string) 39679d4a[33.39.36.37.39.64.34.61 (hex)]
13: memSerial.0.6.68.73.77.77.49.51 (octet string) 01eea985[30.31.65.65.61.39.38.35 (hex)]
14: memSerial.0.6.68.73.77.77.49.52 (octet string) 402817c8[34.30.32.38.31.37.63.38 (hex)]
15: memSerial.0.6.68.73.77.77.49.53 (octet string) 39679dce[33.39.36.37.39.64.63.65 (hex)]
16: memSerial.0.6.68.73.77.77.49.54 (octet string) 39bee1ab[33.39.62.65.65.31.61.62 (hex)]
17: memSerial.0.6.68.73.77.77.49.55 (octet string) 331d5091[33.33.31.64.35.30.39.31 (hex)]
18: memSerial.0.6.68.73.77.77.49.56 (octet string) 41b9988a[34.31.62.39.39.38.38.61 (hex)]
19: memSerial.0.6.68.73.77.77.49.57 (octet string) 731cde46[37.33.31.63.64.65.34.36 (hex)]
20: memSerial.0.6.68.73.77.77.50.48 (octet string) 39bee029[33.39.62.65.65.30.32.39 (hex)]
21: memSerial.0.6.68.73.77.77.50.49 (octet string) 3967b898[33.39.36.37.62.38.39.38 (hex)]
22: memSerial.0.6.68.73.77.77.50.50 (octet string) 39bee1b9[33.39.62.65.65.31.62.39 (hex)]
23: memSerial.0.6.68.73.77.77.50.51 (octet string) 39f9cfb7[33.39.66.39.63.66.62.37 (hex)]
24: memSerial.0.6.68.73.77.77.50.52 (octet string) 39bf2da5[33.39.62.66.32.64.61.35 (hex)]
***** SNMP QUERY FINISHED *****

```

Memory Part Number: memRegisterNum

For a description of this child node, refer to [Table 2-446](#).

Table 2-446 Memory Part Number: memRegisterNum

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.24.1.14	No	DisplayString	Read-only	Space size	0..24

Example:

```

***** SNMP QUERY STARTED *****
1: memRegisterNum.0.5.68.73.77.77.49 (octet string) M393A1G40DB0-CPB
[4D.33.39.33.41.31.47.34.30.44.42.30.2D.43.50.42 (hex)]
2: memRegisterNum.0.5.68.73.77.77.50 (octet string) M393A1G40DB0-CPB
[4D.33.39.33.41.31.47.34.30.44.42.30.2D.43.50.42 (hex)]
3: memRegisterNum.0.5.68.73.77.77.51 (octet string) M393A1G40DB0-CPB
[4D.33.39.33.41.31.47.34.30.44.42.30.2D.43.50.42 (hex)]
4: memRegisterNum.0.5.68.73.77.77.52 (octet string) M393A1G40DB0-CPB
[4D.33.39.33.41.31.47.34.30.44.42.30.2D.43.50.42 (hex)]
5: memRegisterNum.0.5.68.73.77.77.53 (octet string) M393A1G40DB0-CPB
[4D.33.39.33.41.31.47.34.30.44.42.30.2D.43.50.42 (hex)]
6: memRegisterNum.0.5.68.73.77.77.54 (octet string) M393A1G40DB0-CPB
[4D.33.39.33.41.31.47.34.30.44.42.30.2D.43.50.42 (hex)]
7: memRegisterNum.0.5.68.73.77.77.55 (octet string) M393A1G40DB0-CPB

```

```
[4D.33.39.33.41.31.47.34.30.44.42.30.2D.43.50.42 (hex)]
8: memRegisterNum.0.5.68.73.77.77.56 (octet string) M393A1G40DB0-CPB
[4D.33.39.33.41.31.47.34.30.44.42.30.2D.43.50.42 (hex)]
***** SNMP QUERY FINISHED *****
```

Memory Alarm Status: memAlarmStatus

For a description of this child node, refer to [Table 2-447](#).

Table 2-447 Memory Alarm Status: memAlarmStatus

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.24.1.15	No	Unsigned32	Read-only	Value range	ok(0) minor(1) major(2) critical(3) unkown(4)

Example:

```
***** SNMP QUERY STARTED *****
1: memAlarmStatus.0.6.68.73.77.77.49.49 (gauge) ok(0)
***** SNMP QUERY FINISHED *****
```

2.4.2 Server NIC Memory Information: nicMemoryInfo

Parent Node

For a description of the parent node nicMemoryInfo, refer to [Table 2-448](#).

Table 2-448 nicMemoryInfo—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
nicMemoryInfo	Tabular	Server NIC memory information	1.3.6.1.4.1.3902.6053.19.1.3.2.28

Child Node

For a description of the child nodes of nicMemoryInfo, refer to [Table 2-449](#).

Table 2-449 nicMemoryInfo—Child Nodes

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
nicCardIndex	NIC ID, numbered from 0	1.3.6.1.4.1.3902.6053.19.1.3.2.28.1.1	Yes	Unsigned32

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
ddrId	Memory index	1.3.6.1.4.1.3902.6053.19.1.3.2.28.1.2	Yes	Unsigned32
ddrType	Memory type	1.3.6.1.4.1.3902.6053.19.1.3.2.28.1.3	No	Unsigned32
ddrModel	Memory model	1.3.6.1.4.1.3902.6053.19.1.3.2.28.1.4	No	Unsigned32
ddrCap	Memory capacity (MB)	1.3.6.1.4.1.3902.6053.19.1.3.2.28.1.5	No	Unsigned32
ddrStatus	Memory status	1.3.6.1.4.1.3902.6053.19.1.3.2.28.1.6	No	Unsigned32

NIC ID: nicCardIndex

For a description of this child node, refer to [Table 2-450](#).

Table 2-450 NIC ID: nicCardIndex

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.28.1.1	Yes	Unsigned32	Read-only	Value range	0..255

Example:

```
***** SNMP QUERY STARTED *****
1: nicCardIndex.1.0 (gauge) 1
2: nicCardIndex.1.1 (gauge) 1
3: nicCardIndex.1.2 (gauge) 1
4: nicCardIndex.1.3 (gauge) 1
5: nicCardIndex.1.4 (gauge) 1
***** SNMP QUERY FINISHED *****
```

Memory Index: ddrId

For a description of this child node, refer to [Table 2-451](#).

Table 2-451 Memory Index: ddrId

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.28.1.2	Yes	Unsigned32	Read-only	Value range	0..100

Example:

```
***** SNMP QUERY STARTED *****
1: ddrId.1.0 (gauge) 0
2: ddrId.1.1 (gauge) 1
3: ddrId.1.2 (gauge) 2
4: ddrId.1.3 (gauge) 3
5: ddrId.1.4 (gauge) 4
***** SNMP QUERY FINISHED *****
```

Memory Type: ddrType

For a description of this child node, refer to [Table 2-452](#).

Table 2-452 Memory Type: ddrType

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1 .3.2.28.1.3	No	Unsigned32	Read-only	Single value	qdr(1) ddr(2) na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: ddrType.1.0 (gauge) qdr(1)
2: ddrType.1.1 (gauge) ddr(2)
3: ddrType.1.2 (gauge) ddr(2)
4: ddrType.1.3 (gauge) ddr(2)
5: ddrType.1.4 (gauge) ddr(2)
***** SNMP QUERY FINISHED *****
```

Memory Model: ddrModel

For a description of this child node, refer to [Table 2-453](#).

Table 2-453 Memory Model: ddrModel

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053. 19.1.3.2.28.1.4	No	Unsigned32	Read-only	Single value	qdr4-2000mhz(1) ddr4-2400mhz(2) ddr4-2000mhz(3) na(255)

Example:

```
***** SNMP QUERY STARTED *****
```

```

1: ddrModel.1.0 (gauge) qdr4-2000mhz(1)
2: ddrModel.1.1 (gauge) ddr4-2400mhz(2)
3: ddrModel.1.2 (gauge) ddr4-2400mhz(2)
4: ddrModel.1.3 (gauge) ddr4-2400mhz(2)
5: ddrModel.1.4 (gauge) ddr4-2400mhz(2)
***** SNMP QUERY FINISHED *****

```

Memory Capacity: ddrCap

For a description of this child node, refer to [Table 2-454](#).

Table 2-454 Memory Capacity: ddrCap

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1.9.1.3.2.28.1.5	No	Unsigned32	Read-only	Single value	na(4294967295)

Example:

```

***** SNMP QUERY STARTED *****
1: ddrCap.1.0 (gauge) 144
2: ddrCap.1.1 (gauge) 81920
3: ddrCap.1.2 (gauge) 32768
4: ddrCap.1.3 (gauge) 16384
5: ddrCap.1.4 (gauge) 32768
***** SNMP QUERY FINISHED *****

```

Memory Status: ddrStatus

For a description of this child node, refer to [Table 2-455](#).

Table 2-455 Memory Status: ddrStatus

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1.9.1.3.2.28.1.6	No	Unsigned32	Read-only	Single value	normal(0) abnormal(1) na(255)

Example:

```

***** SNMP QUERY STARTED *****
1: ddrStatus.1.0 (gauge) normal(0)
2: ddrStatus.1.1 (gauge) normal(0)
3: ddrStatus.1.2 (gauge) normal(0)
4: ddrStatus.1.3 (gauge) normal(0)
5: ddrStatus.1.4 (gauge) normal(0)

```

***** SNMP QUERY FINISHED *****

2.4.3 Memory Temperature Information: boardDimmTemp

Parent Node

For a description of the parent node boardDimmTemp, refer to [Table 2-456](#).

Table 2-456 boardDimmTemp—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
boardDimmTemp	Tabular	Memory temperature information	1.3.6.1.4.1.3902.6053.19.1.3.2.31

Child Node

For a description of the child nodes of boardDimmTemp, refer to [Table 2-457](#).

Table 2-457 boardDimmTemp—Child Nodes

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
dimmIndex	Memory ID	1.3.6.1.4.1.3902.6053.19.1.3.2.31.1.1	Yes	Unsigned32
dimmPresent	Memory presence information	1.3.6.1.4.1.3902.6053.19.1.3.2.31.1.2	No	Unsigned32
dimmTemp	Memory temperature information	1.3.6.1.4.1.3902.6053.19.1.3.2.31.1.3	No	Unsigned32
infoValid	Memory temperature validity	1.3.6.1.4.1.3902.6053.19.1.3.2.31.1.4	No	Unsigned32
dimmSilk	Memory silk screen ID	1.3.6.1.4.1.3902.6053.19.1.3.2.31.1.5	No	DisplayString

Memory ID: dimmIndex

For a description of this child node, refer to [Table 2-458](#).

Table 2-458 Memory ID: dimmIndex

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.31.1.1	Yes	Unsigned32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: dimmIndex.1 (gauge) 1
2: dimmIndex.2 (gauge) 2
3: dimmIndex.3 (gauge) 3
4: dimmIndex.4 (gauge) 4
5: dimmIndex.5 (gauge) 5
6: dimmIndex.6 (gauge) 6
7: dimmIndex.7 (gauge) 7
8: dimmIndex.8 (gauge) 8
9: dimmIndex.9 (gauge) 9
10: dimmIndex.10 (gauge) 10
11: dimmIndex.11 (gauge) 11
12: dimmIndex.12 (gauge) 12
13: dimmIndex.13 (gauge) 13
14: dimmIndex.14 (gauge) 14
15: dimmIndex.15 (gauge) 15
16: dimmIndex.16 (gauge) 16
17: dimmIndex.17 (gauge) 17
18: dimmIndex.18 (gauge) 18
19: dimmIndex.19 (gauge) 19
20: dimmIndex.20 (gauge) 20
21: dimmIndex.21 (gauge) 21
22: dimmIndex.22 (gauge) 22
23: dimmIndex.23 (gauge) 23
24: dimmIndex.24 (gauge) 24
***** SNMP QUERY FINISHED *****
```

Memory Presence Information: dimmPresent

For a description of this child node, refer to [Table 2-459](#).

Table 2-459 Memory Presence Information: dimmPresent

Child Node OID	Index Flag	Data Type	Access At-tribute	Data Con-straint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.31.1.2	No	Unsigned32	Read-only	Single value	present(1) absent(0) na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: dimmPresent.1 (gauge) present(1)
2: dimmPresent.2 (gauge) present(1)
3: dimmPresent.3 (gauge) present(1)
4: dimmPresent.4 (gauge) present(1)
```

```

5: dimmPresent.5 (gauge) present(1)
6: dimmPresent.6 (gauge) present(1)
7: dimmPresent.7 (gauge) present(1)
8: dimmPresent.8 (gauge) present(1)
9: dimmPresent.9 (gauge) present(1)
10: dimmPresent.10 (gauge) present(1)
11: dimmPresent.11 (gauge) present(1)
12: dimmPresent.12 (gauge) present(1)
13: dimmPresent.13 (gauge) present(1)
14: dimmPresent.14 (gauge) present(1)
15: dimmPresent.15 (gauge) present(1)
16: dimmPresent.16 (gauge) present(1)
17: dimmPresent.17 (gauge) present(1)
18: dimmPresent.18 (gauge) present(1)
19: dimmPresent.19 (gauge) present(1)
20: dimmPresent.20 (gauge) present(1)
21: dimmPresent.21 (gauge) present(1)
22: dimmPresent.22 (gauge) present(1)
23: dimmPresent.23 (gauge) present(1)
24: dimmPresent.24 (gauge) present(1)
***** SNMP QUERY FINISHED *****

```

Memory Temperature Information: dimmTemp

For a description of this child node, refer to [Table 2-460](#).

Table 2-460 Memory Temperature Information: dimmTemp

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.31.1.3	No	Unsigned32	Read-only	Single value	na(255)

Example:

```

***** SNMP QUERY STARTED *****
1: dimmTemp.1 (gauge) na(255)
2: dimmTemp.2 (gauge) na(255)
3: dimmTemp.3 (gauge) 33
4: dimmTemp.4 (gauge) 32
5: dimmTemp.5 (gauge) 31
6: dimmTemp.6 (gauge) 32
7: dimmTemp.7 (gauge) 31
8: dimmTemp.8 (gauge) 29
9: dimmTemp.9 (gauge) 30
10: dimmTemp.10 (gauge) 30

```

```

11: dimmTemp.11 (gauge) 29
12: dimmTemp.12 (gauge) 30
13: dimmTemp.13 (gauge) 31
14: dimmTemp.14 (gauge) 30
15: dimmTemp.15 (gauge) 32
16: dimmTemp.16 (gauge) 31
17: dimmTemp.17 (gauge) 30
18: dimmTemp.18 (gauge) 31
19: dimmTemp.19 (gauge) 30
20: dimmTemp.20 (gauge) 30
21: dimmTemp.21 (gauge) 29
22: dimmTemp.22 (gauge) 30
23: dimmTemp.23 (gauge) 28
24: dimmTemp.24 (gauge) 29
***** SNMP QUERY FINISHED *****

```

Memory Temperature Validity: infoValid

For a description of this child node, refer to [Table 2-461](#).

Table 2-461 Memory Temperature Validity: infoValid

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.31.1.4	No	Unsigned32	Read-only	Single value	available(1) unavailable(0)

Example:

```

***** SNMP QUERY STARTED *****
1: infoValid.1 (gauge) unavailable(0)
2: infoValid.2 (gauge) unavailable(0)
3: infoValid.3 (gauge) available(1)
4: infoValid.4 (gauge) available(1)
5: infoValid.5 (gauge) available(1)
6: infoValid.6 (gauge) available(1)
7: infoValid.7 (gauge) available(1)
8: infoValid.8 (gauge) available(1)
9: infoValid.9 (gauge) available(1)
10: infoValid.10 (gauge) available(1)
11: infoValid.11 (gauge) available(1)
12: infoValid.12 (gauge) available(1)
13: infoValid.13 (gauge) available(1)
14: infoValid.14 (gauge) available(1)
15: infoValid.15 (gauge) available(1)
16: infoValid.16 (gauge) available(1)

```

```

17: infoValid.17 (gauge) available(1)
18: infoValid.18 (gauge) available(1)
19: infoValid.19 (gauge) available(1)
20: infoValid.20 (gauge) available(1)
21: infoValid.21 (gauge) available(1)
22: infoValid.22 (gauge) available(1)
23: infoValid.23 (gauge) available(1)
24: infoValid.24 (gauge) available(1)
***** SNMP QUERY FINISHED *****

```

Memory Silk Screen ID: dimmSilk

For a description of this child node, refer to [Table 2-462](#).

Table 2-462 Memory Silk Screen ID: dimmSilk

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19 .1.3.2.31.1.5	No	DisplayString	Read-only	None	None

Example:

```

***** SNMP QUERY STARTED *****
1: dimmSilk.1 (octet string) DIMM1 [44.49.4D.4D.31 (hex)]
2: dimmSilk.2 (octet string) DIMM2 [44.49.4D.4D.32 (hex)]
3: dimmSilk.3 (octet string) DIMM3 [44.49.4D.4D.33 (hex)]
4: dimmSilk.4 (octet string) DIMM4 [44.49.4D.4D.34 (hex)]
5: dimmSilk.5 (octet string) DIMM5 [44.49.4D.4D.35 (hex)]
6: dimmSilk.6 (octet string) DIMM6 [44.49.4D.4D.36 (hex)]
7: dimmSilk.7 (octet string) DIMM7 [44.49.4D.4D.37 (hex)]
8: dimmSilk.8 (octet string) DIMM8 [44.49.4D.4D.38 (hex)]
9: dimmSilk.9 (octet string) DIMM9 [44.49.4D.4D.39 (hex)]
10: dimmSilk.10 (octet string) DIMM10 [44.49.4D.4D.31.30 (hex)]
11: dimmSilk.11 (octet string) DIMM11 [44.49.4D.4D.31.31 (hex)]
12: dimmSilk.12 (octet string) DIMM12 [44.49.4D.4D.31.32 (hex)]
13: dimmSilk.13 (octet string) DIMM13 [44.49.4D.4D.31.33 (hex)]
14: dimmSilk.14 (octet string) DIMM14 [44.49.4D.4D.31.34 (hex)]
15: dimmSilk.15 (octet string) DIMM15 [44.49.4D.4D.31.35 (hex)]
16: dimmSilk.16 (octet string) DIMM16 [44.49.4D.4D.31.36 (hex)]
17: dimmSilk.17 (octet string) DIMM17 [44.49.4D.4D.31.37 (hex)]
18: dimmSilk.18 (octet string) DIMM18 [44.49.4D.4D.31.38 (hex)]
19: dimmSilk.19 (octet string) DIMM19 [44.49.4D.4D.31.39 (hex)]
20: dimmSilk.20 (octet string) DIMM20 [44.49.4D.4D.32.30 (hex)]
21: dimmSilk.21 (octet string) DIMM21 [44.49.4D.4D.32.31 (hex)]
22: dimmSilk.22 (octet string) DIMM22 [44.49.4D.4D.32.32 (hex)]

```

```

23: dimmSilk.23 (octet string) DIMM23 [44.49.4D.4D.32.33 (hex)]
24: dimmSilk.24 (octet string) DIMM24 [44.49.4D.4D.32.34 (hex)]
***** SNMP QUERY FINISHED *****

```

2.5 Power Supply Query Operations

2.5.1 Server Power Supply Table: boardPem

Parent Node

For a description of the parent node boardPem, refer to [Table 2-463](#).

Table 2-463 boardPem—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
boardPem	Tabular	Server power supply table	1.3.6.1.4.1.3902.6053.19.1.3.2.25

Child Node

For a description of the child nodes of boardPem, refer to [Table 2-464](#).

Table 2-464 boardPem—Child Nodes

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
pemIndex	Power supply ID	1.3.6.1.4.1.3902.6053.19.1.3.2.25.1.1	Yes	Unsigned32
pemPowerCapacity	Rated power	1.3.6.1.4.1.3902.6053.19.1.3.2.25.1.2	No	Unsigned32
pemUpTemperature	Upper threshold of power supply temperature	1.3.6.1.4.1.3902.6053.19.1.3.2.25.1.3	No	Integer32
pemDownTemperature	Lower threshold of power supply temperature	1.3.6.1.4.1.3902.6053.19.1.3.2.25.1.4	No	Integer32
pemOutputStatus	Power supply output status	1.3.6.1.4.1.3902.6053.19.1.3.2.25.1.5	No	Unsigned32
pemOutputPower	Output power	1.3.6.1.4.1.3902.6053.19.1.3.2.25.1.6	No	Unsigned32
pemInputPower	Input power	1.3.6.1.4.1.3902.6053.19.1.3.2.25.1.7	No	Unsigned32

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
pemAlarmStatus	Power supply alarm status	1.3.6.1.4.1.3902.6053.19.1.3.2.25.1.8	No	Unsigned32
pemVoltage	Power supply voltage	1.3.6.1.4.1.3902.6053.19.1.3.2.25.1.9	No	DisplayString
pemBoardManu	Power supply manufacturer	1.3.6.1.4.1.3902.6053.19.1.3.2.25.1.10	No	DisplayString
pemBoardSerNum	Power supply serial number	1.3.6.1.4.1.3902.6053.19.1.3.2.25.1.11	No	DisplayString
pemBoardManuDate	Power supply manufacture date	1.3.6.1.4.1.3902.6053.19.1.3.2.25.1.12	No	DisplayString
pemBoardManuModel	Power supply model	1.3.6.1.4.1.3902.6053.19.1.3.2.25.1.13	No	DisplayString
pemBoardManuRevision	Power supply version number	1.3.6.1.4.1.3902.6053.19.1.3.2.25.1.14	No	DisplayString
pemBoardPartNum	Power supply part number	1.3.6.1.4.1.3902.6053.19.1.3.2.25.1.15	No	DisplayString
pemSupplyType	Power supply type	1.3.6.1.4.1.3902.6053.19.1.3.2.25.1.16	No	DisplayString
pemCurInputVolts	Current input voltage	1.3.6.1.4.1.3902.6053.19.1.3.2.25.1.17	No	DisplayString
pemCurTemperature	Current temperature	1.3.6.1.4.1.3902.6053.19.1.3.2.25.1.18	No	Integer32

Power Supply ID: pemIndex

For a description of this child node, refer to [Table 2-465](#).

Table 2-465 Power Supply ID: pemIndex

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.25.1.1	Yes	Unsigned32	Read-only	Value range	1..255

Example:

```
***** SNMP QUERY STARTED *****
1: pemIndex.1 (gauge) 1
2: pemIndex.2 (gauge) 2
```

```
***** SNMP QUERY FINISHED *****
```

Rate Power: pemPowerCapacity

For a description of this child node, refer to [Table 2-466](#).

Table 2-466 Rate Power: pemPowerCapacity

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.25.1.2	No	Unsigned32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: pemPowerCapacity.1 (gauge) 787
2: pemPowerCapacity.2 (gauge) 787
***** SNMP QUERY FINISHED *****
```

Upper Threshold of Power Supply Temperature: pemUpTemperature

For a description of this child node, refer to [Table 2-467](#)

Table 2-467 Upper Threshold of Power Supply Temperature: pemUpTemperature

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.25.1.3	No	Integer32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: pemUpTemperature.1 (integer) 50
2: pemUpTemperature.2 (integer) 50
***** SNMP QUERY FINISHED *****
```

Lower Threshold of Power Supply Temperature: pemDownTemperature

For a description of this child node, refer to [Table 2-468](#)

Table 2-468 Lower Threshold of Power Supply Temperature: pemDownTemperature

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.25.1.4	No	Integer32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: pemDownTemperature.1 (integer) 0
2: pemDownTemperature.2 (integer) 0
***** SNMP QUERY FINISHED *****
```

Power Supply Output Status: pemOutputStatus

For a description of this child node, refer to [Table 2-469](#).

Table 2-469 Power Supply Output Status: pemOutputStatus

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19. 1.3.2.25.1.5	No	Unsigned32	Read-only	Single value	close(0) open(1)

Example:

```
***** SNMP QUERY STARTED *****
1: pemOutputStatus.1 (gauge) open(1)
2: pemOutputStatus.2 (gauge) open(1)
***** SNMP QUERY FINISHED *****
```

Output Power: pemOutputPower

For a description of this child node, refer to [Table 2-470](#).

Table 2-470 Output Power: pemOutputPower

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1. 3.2.25.1.6	No	Unsigned32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: pemOutputPower.1 (gauge) 133
2: pemOutputPower.2 (gauge) 120
***** SNMP QUERY FINISHED *****
```

Input Power: pemInputPower

For a description of this child node, refer to [Table 2-471](#).

Table 2-471 Input Power: pemInputPower

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3 .2.25.1.7	No	Unsigned32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: pemInputPower.1 (gauge) 169
2: pemInputPower.2 (gauge) 115
***** SNMP QUERY FINISHED *****
```

Power Supply Alarm Status: pemAlarmStatus

For a description of this child node, refer to [Table 2-472](#).

Table 2-472 Power Supply Alarm Status: pemAlarmStatus

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19. 1.3.2.25.1.8	No	Unsigned32	Read-only	Single value	healthy(0) minorProblem(1) majorProblem(2) criticalProblem(3) na(4)

Example:

```
***** SNMP QUERY STARTED *****
1: pemAlarmStatus.1 (gauge) healthy(0)
2: pemAlarmStatus.2 (gauge) healthy(0)
***** SNMP QUERY FINISHED *****
```

Power Supply Voltage: pemVoltage

For a description of this child node, refer to [Table 2-473](#).

Table 2-473 Power Supply Voltage: pemVoltage

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3 .2.25.1.9	No	DisplayString	Read-only	Space size	0..16

Example:

```
***** SNMP QUERY STARTED *****
1: pemVoltage.1 (octet string) 12.45 [31.32.2E.34.35 (hex)]
2: pemVoltage.2 (octet string) 12.45 [31.32.2E.34.35 (hex)]
***** SNMP QUERY FINISHED *****
```

Power Supply Manufacturer: pemBoardManu

For a description of this child node, refer to [Table 2-474](#).

Table 2-474 Power Supply Manufacturer: pemBoardManu

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.25.1.10	No	DisplayString	Read-only	Space size	0..32

Example:

```
***** SNMP QUERY STARTED *****
1: pemBoardManu.1 (octet string) VANTAGEO [56.41.4E.54.41.47.45.4F (hex)]
2: pemBoardManu.2 (octet string) VANTAGEO [56.41.4E.54.41.47.45.4F (hex)]
***** SNMP QUERY FINISHED *****
```

Power Supply Serial Number: pemBoardSerNum

For a description of this child node, refer to [Table 2-475](#).

Table 2-475 Power Supply Serial Number: pemBoardSerNum

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.25.1.11	No	DisplayString	Read-only	Space size	0..32

Example:

```
***** SNMP QUERY STARTED *****
1: pemBoardSerNum.1 (octet string) 288673800093
[32.38.38.36.37.33.38.30.30.30.39.33 (hex)]
2: pemBoardSerNum.2 (octet string) 701657900136
[37.30.31.36.35.37.39.30.30.31.33.36 (hex)]
***** SNMP QUERY FINISHED *****
```

Power Supply Manufacture Date: pemBoardManuDate

For a description of this child node, refer to [Table 2-476](#).

Table 2-476 Power Supply Manufacture Date: pemBoardManuDate

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.25.1.12	No	DisplayString	Read-only	Space size	0..32

Example:

```
***** SNMP QUERY STARTED *****
1: pemBoardManuDate.1 (octet string) 160120 [31.36.30.31.32.30 (hex)]
2: pemBoardManuDate.2 (octet string) 160626 [31.36.30.36.32.36 (hex)]
***** SNMP QUERY FINISHED *****
```

Power Supply Model: pemBoardManuModel

For a description of this child node, refer to [Table 2-477](#).

Table 2-477 Power Supply Model: pemBoardManuModel

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.25.1.13	No	DisplayString	Read-only	Space size	0..32

Example:

```
***** SNMP QUERY STARTED *****
1: pemBoardManuModel.1 (octet string) PPC33 A018 [50.50.43.33.33.20.41.30.31.38 (hex)]
2: pemBoardManuModel.2 (octet string) PPC33 A018 [50.50.43.33.33.20.41.30.31.38 (hex)]
***** SNMP QUERY FINISHED *****
```

Power Supply Version Number: pemBoardManuRevision

For a description of this child node, refer to [Table 2-478](#).

Table 2-478 Power Supply Version Number: pemBoardManuRevision

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.25.1.14	No	DisplayString	Read-only	Space size	0..32

Example:

```
***** SNMP QUERY STARTED *****
1: pemBoardManuRevision.1 (octet string) V1.0 [56.31.2E.30 (hex)]
```

```
2: pemBoardManuRevision.2 (octet string) V1.0 [56.31.2E.30 (hex)]
***** SNMP QUERY FINISHED *****
```

Power Supply Part Number: pemBoardPartNum

For a description of this child node, refer to [Table 2-479](#).

Table 2-479 Power Supply Part Number: pemBoardPartNum

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.25.1.15	No	DisplayString	Read-only	Space size	0..8

Example:

```
***** SNMP QUERY STARTED *****
1: pemBoardPartNum.1 (octet string) na [6E.61 (hex)]
2: pemBoardPartNum.2 (octet string) na [6E.61 (hex)]
***** SNMP QUERY FINISHED *****
```

Power Supply Type: pemSupplyType

For a description of this child node, refer to [Table 2-480](#).

Table 2-480 Power Supply Type: pemSupplyType

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.25.1.16	NO	DisplayString	Read-only	Space size	0..16

Example:

```
***** SNMP QUERY STARTED *****
1: pemSupplyType.1 (octet string) AC [41.43 (hex)]
2: pemSupplyType.2 (octet string) AC [41.43 (hex)]
***** SNMP QUERY FINISHED *****
```

Current Input Voltage: pemCurlInputVolts

For a description of this child node, refer to [Table 2-481](#).

Table 2-481 Current Input Voltage: pemCurlInputVolts

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.25.1.17	No	DisplayString	read-only	Space size	0..32

Example:

```
***** SNMP QUERY STARTED *****
1: pemCurInputVolts.1 (octet string) 238 [32.33.38 (hex)]
2: pemCurInputVolts.2 (octet string) 236 [32.33.36 (hex)]
***** SNMP QUERY FINISHED *****
```

Current Temperature: pemCurTemperature

For a description of this child node, refer to [Table 2-482](#).

Table 2-482 Current Temperature: pemCurTemperature

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.25.1.18	No	Integer32	read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: pemCurTemperature.1 (integer) 30
2: pemCurTemperature.2 (integer) 31
***** SNMP QUERY FINISHED *****
```

2.5.2 Power Supply Redundancy Policy: powerSupplyRedundancyPolicy

Parent Node

For a description of the parent node powerSupplyRedundancyPolicy, refer to [Table 2-483](#).

Table 2-483 powerSupplyRedundancyPolicy—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
powerSupplyRedundancyPolicy	Scalar	Power supply redundancy policy	1.3.6.1.4.1.3902.6053.19.1.3.2.54

Child Node

For a description of the child node of powerSupplyRedundancyPolicy, refer to [Table 2-484](#).

Table 2-484 powerSupplyRedundancyPolicy—Child Node

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
redundancyPolicyStatus	Power supply redundancy status	1.3.6.1.4.1.3902.6053.19.1.3.2.54.1	No	Unsigned32

Power Supply Redundancy Status: redundancyPolicyStatus

For a description of this child node, refer to [Table 2-485](#).

Table 2-485 Power Supply Redundancy Status: redundancyPolicyStatus

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.54.1	No	Unsigned32	Read-only	Single value	redundancylost(0) redundancyexist(1)

Example:

```
***** SNMP QUERY STARTED *****
1: redundancyPolicyStatus.0 (gauge) redundancylost(0)
***** SNMP QUERY FINISHED**
```

2.5.3 Power Mode: boardPowerMode**Parent Node**

For a description of the parent node boardPowerMode, refer to [Table 2-486](#).

Table 2-486 boardPowerMode—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
boardPowerMode	Scalar	Power mode	1.3.6.1.4.1.3902.6053.19.1.3.2.61

Child Node

For a description of the child nodes of boardPowerMode, refer to [Table 2-487](#).

Table 2-487 boardPowerMode—Child Node

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
activeStandby	Active-standby	1.3.6.1.4.1.3902.6053.19.1.3.2.61.1	No	Unsigned32
expectedActivePSU	Cold standby status	1.3.6.1.4.1.3902.6053.19.1.3.2.61.2	No	Unsigned32

Active-Standby: activeStandby

For a description of this child node, refer to [Table 2-488](#).

Table 2-488 Active-mode: activeStandby

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1 9.1.3.2.61.1	No	Unsigned32	Read-Write	Read-only	balance(0) backup(1) na(255)

Example:

```
***** SNMP QUERY STARTED *****
1: activeStandby.0 (gauge) backup(1)
***** SNMP QUERY FINISHED *****
```

Cold Standby Status: expectedActivePSU

For a description of this child node, refer to [Table 2-489](#).

Table 2-489 Cold standby status: expectedActivePSU

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.605 3.19.1.3.2.61.2	No	Unsigned32	Read-Write	Read-only	0..15

Example:

```
***** SNMP QUERY STARTED *****
1: expectedActivePSU.0 (gauge) 2
***** SNMP QUERY FINISHED *****
```

Note: The returned value is related to the operating mode of the power supplies. It is identified by bit digits in accordance with the slot number of the power supplies. 1 indicates the active power supply, and 0 indicates the standby power supply.

- The power supplies operate in backup mode:
 - Dual power supplies: 1+1, at least one active power supply
 - Four power supplies: 2+2 and 3+1, at least two active power supplies
- The power supplies operate in balance mode:
 - Dual power supplies: 3
 - Four power supplies: 15

2.6 CUPS Query Operations

2.6.1 CUPS Query Operations: cupsInfo

Parent Node

For a description of the parent node cupsInfo, refer to [Table 2-490](#).

Table 2-490 cupsInfo—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
cupsInfo	Scalar	CUPS information	1.3.6.1.4.1.3902.6053.19.1.3.2.57

Child Node

For a description of the child nodes of cupsInfo, refer to [Table 2-491](#).

Table 2-491 cupsInfo—Child Node

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
cpuCupsUtilization	CPU CUPS	1.3.6.1.4.1.3902.6053.19.1.3.2.57.1	No	Unsigned32
memCupsUtilization	Memory CUPS	1.3.6.1.4.1.3902.6053.19.1.3.2.57.2	No	Unsigned32
ioCupsUtilization	I/O CUPS	1.3.6.1.4.1.3902.6053.19.1.3.2.57.3	No	Unsigned32

Note:

- When the iSDMA is installed and started completely on the OS side of a server, the CPU and memory CUPS is obtained from the iSDMA, which is the same as that collected on the OS side.
- When the iSDMA is not installed or is installed but not started, the CPU and memory CUPS is obtained from the Intel ME. (The CPU CUPS is calculated by the internal module of the CPU based on all cores. The memory CUPS is the memory bandwidth usage, which is different from the memory usage.)
- All the I/O CUPS data of the server is obtained from the Intel ME.
- For a non-Intel server model, when the iSDMA is not installed, the CPU, memory, and I/O CUPS function is not supported. To use this function, you need to download the iSDMA tool and install it on the OS side of the server. (The iSDMA supports providing the CPU and memory usage data only rather than the I/O usage data.)

CPU CUPS: cpuCupsUtilization

For a description of this child node, refer to [Table 2-492](#).

Table 2-492 CPU CUPS: cpuCupsUtilization

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.605 3.19.1.3.2.57.1	No	Unsigned32	Read-only	Space size	0..100

Example:

```
***** SNMP QUERY STARTED *****
1: cpuCupsUtilization.0 (gauge) 0
***** SNMP QUERY FINISHED *****
```

Memory CUPS: memCupsUtilization

For a description of this child node, refer to [Table 2-493](#).

Table 2-493 Memory CUPS: memCupsUtilization

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.605 3.19.1.3.2.57.2	No	Unsigned32	Read-only	Space size	0..100

Example:

```
***** SNMP QUERY STARTED *****
1: memCupsUtilization.0 (gauge) 0
***** SNMP QUERY FINISHED *****
```

I/O CUPS: ioCupsUtilization

For a description of this child node, refer to [Table 2-494](#).

Table 2-494 I/O CUPS: ioCupsUtilization

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.605 3.19.1.3.2.57.3	No	Unsigned32	Read-only	Space size	0..100

Example:

```
***** SNMP QUERY STARTED *****
1: ioCupsUtilization.0 (gauge) 0
```

```
***** SNMP QUERY FINISHED *****
```

2.7 System Query Operations

2.7.1 SystemInfo: systemInfo

Parent Node

For a description of the parent node systemInfo, refer to [Table 2-495](#).

Table 2-495 systemInfo—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
systemInfo	Scalar	System information	1.3.6.1.4.1.3902.6053.19.1.3.2.59

Child Node

For a description of the child nodes of systemInfo, refer to [Table 2-496](#).

Table 2-496 systemInfo—Child Node

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
deviceName	Product name	1.3.6.1.4.1.3902.6053.19.1.3.2.59.1	No	DisplayString
deviceSerialNumber	Product SN	1.3.6.1.4.1.3902.6053.19.1.3.2.59.2	No	DisplayString
systemHealth	System health status	1.3.6.1.4.1.3902.6053.19.1.3.2.59.3	No	Unsigned32

Product Name: deviceName

For a description of this child node, refer to [Table 2-497](#).

Table 2-497 Product Name: deviceName

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.59.1	No	DisplayString	Read-only	Space size	0..64

Example:

```
***** SNMP QUERY STARTED *****
```

```
1: deviceName.5.82.53.51.48.48 (octet string) 2230-RE [32.32.33.30.2D.52.45 (hex)]
```

```
***** SNMP QUERY FINISHED *****
```

Product SN: deviceSerialNumber

For a description of this child node, refer to [Table 2-498](#).

Table 2-498 Product SN: deviceSerialNumber

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.605 3.19.1.3.2.59.2	No	DisplayString	Read-only	Space size	0..64

Example:

```
***** SNMP QUERY STARTED *****
1: deviceSerialNumber.5.82.53.51.48.48 (octet string) (zero-length)
***** SNMP QUERY FINISHED *****
```

System Health Status: systemHealth

For a description of this child node, refer to [Table 2-499](#).

Table 2-499 System Health Status: systemHealth

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.605 3.19.1.3.2.59.3	No	Unsigned32	Read-only	Single value	healthy(0) minorProblem(1) majorProblem(2) criticalProblem(3) na(4)

Example:

```
***** SNMP QUERY STARTED *****
1: systemHealth.5.82.53.51.48.48 (gauge) majorProblem(2)
***** SNMP QUERY FINISHED *****
```

2.8 Temperature Information Query Operations

2.8.1 Temperature Information: temperatureProbe

Parent Node

For a description of the parent node temperatureProbe, refer to [Table 2-500](#).

Table 2-500 temperatureProbe—Parent Node

Parent Node Field	Parent Node Attribute	Parent Node Description	Parent Node OID
temperatureProbe	Tabular	Temperature information	1.3.6.1.4.1.3902.6053.19.1.3.2.60

Child Node

For a description of the child nodes of temperatureProbe, refer to [Table 2-501](#).

Table 2-501 temperatureProbe—Child Node

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
temperatureIndex	Temperature index	1.3.6.1.4.1.3902.6053.19.1.3.2.60.1.1	Yes	Unsigned32
temertatureType	Temperature type	1.3.6.1.4.1.3902.6053.19.1.3.2.60.1.2	No	DisplayString
temperatureAlarmStatus	Temperature alarm status	1.3.6.1.4.1.3902.6053.19.1.3.2.60.1.3	No	Unsigned32
temperatureReading	Temperature value	1.3.6.1.4.1.3902.6053.19.1.3.2.60.1.4	No	DisplayString
temperatureUpperNonRecoverableThreshold	Critical threshold for high temperature	1.3.6.1.4.1.3902.6053.19.1.3.2.60.1.5	No	DisplayString
temperatureUpperCriticalThreshold	Major threshold for high temperature	1.3.6.1.4.1.3902.6053.19.1.3.2.60.1.6	No	DisplayString
temperatureUpperNonCriticalThreshold	Minor threshold for high temperature	1.3.6.1.4.1.3902.6053.19.1.3.2.60.1.7	No	DisplayString
temperatureLowerNonRecoverableThreshold	Critical threshold for low temperature	1.3.6.1.4.1.3902.6053.19.1.3.2.60.1.8	No	DisplayString
temperatureLowerCriticalThreshold	Major threshold for low temperature	1.3.6.1.4.1.3902.6053.19.1.3.2.60.1.9	No	DisplayString

Child Node Field	Child Node Description	Child Node OID	Index Flag	Data Type
temperatureLowerNonCriticalThreshold	Minor threshold for low temperature	1.3.6.1.4.1.3902.6053.19.1.3.2.60.1.10	No	DisplayString

Temperature Index: temperatureIndex

For a description of this child node, refer to [Table 2-502](#).

Table 2-502 Temperature Index: temperatureIndex

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19.1.3.2.60.1.1	Yes	Unsigned32	Read-only	None	None

Example:

```
***** SNMP QUERY STARTED *****
1: temperatureIndex.17 (gauge) 17
2: temperatureIndex.18 (gauge) 18
3: temperatureIndex.19 (gauge) 19
4: temperatureIndex.20 (gauge) 20
5: temperatureIndex.21 (gauge) 21
6: temperatureIndex.22 (gauge) 22
7: temperatureIndex.27 (gauge) 27
8: temperatureIndex.28 (gauge) 28
9: temperatureIndex.29 (gauge) 29
10: temperatureIndex.30 (gauge) 30
11: temperatureIndex.31 (gauge) 31
12: temperatureIndex.32 (gauge) 32
13: temperatureIndex.33 (gauge) 33
14: temperatureIndex.34 (gauge) 34
15: temperatureIndex.35 (gauge) 35
16: temperatureIndex.36 (gauge) 36
17: temperatureIndex.37 (gauge) 37
18: temperatureIndex.38 (gauge) 38
19: temperatureIndex.39 (gauge) 39
20: temperatureIndex.40 (gauge) 40
21: temperatureIndex.41 (gauge) 41
22: temperatureIndex.42 (gauge) 42
23: temperatureIndex.43 (gauge) 43
24: temperatureIndex.44 (gauge) 44
25: temperatureIndex.45 (gauge) 45
26: temperatureIndex.46 (gauge) 46
```

```

27: temperatureIndex.47 (gauge) 47
28: temperatureIndex.48 (gauge) 48
29: temperatureIndex.49 (gauge) 49
30: temperatureIndex.50 (gauge) 50
31: temperatureIndex.96 (gauge) 96
32: temperatureIndex.97 (gauge) 97
33: temperatureIndex.98 (gauge) 98
34: temperatureIndex.127 (gauge) 127
35: temperatureIndex.136 (gauge) 136
***** SNMP QUERY FINISHED *****

```

Temperature Type: deviceName

For a description of this child node, refer to [Table 2-503](#).

Table 2-503 Temperature Type: deviceName

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.605 3.19.1.3.2.60.1.2	No	DisplayString	Read-only	Space size	0..64

Example:

```

***** SNMP QUERY STARTED *****
1: temertatureType.17 (octet string) INPUT_TEMP [49.4E.50.55.54.5F.54.45.4D.50
(hex)]
2: temertatureType.18 (octet string) OUTPUT_TEMP_01
[4F.55.54.50.55.54.5F.54.45.4D.50.5F.30.31 (hex)]
3: temertatureType.19 (octet string) OUTPUT_TEMP_02
[4F.55.54.50.55.54.5F.54.45.4D.50.5F.30.32 (hex)]
4: temertatureType.20 (octet string) OUTPUT_TEMP_03
[4F.55.54.50.55.54.5F.54.45.4D.50.5F.30.33 (hex)]
5: temertatureType.21 (octet string) CPU_TEMP_01
[43.50.55.5F.54.45.4D.50.5F.30.31 (hex)]
6: temertatureType.22 (octet string) CPU_TEMP_02
[43.50.55.5F.54.45.4D.50.5F.30.32 (hex)]
7: temertatureType.27 (octet string) MEM_TEMP_01
[4D.45.4D.5F.54.45.4D.50.5F.30.31 (hex)]
8: temertatureType.28 (octet string) MEM_TEMP_02
[4D.45.4D.5F.54.45.4D.50.5F.30.32 (hex)]
9: temertatureType.29 (octet string) MEM_TEMP_03
[4D.45.4D.5F.54.45.4D.50.5F.30.33 (hex)]
10: temertatureType.30 (octet string) MEM_TEMP_04
[4D.45.4D.5F.54.45.4D.50.5F.30.34 (hex)]
11: temertatureType.31 (octet string) MEM_TEMP_05

```

```

[4D.45.4D.5F.54.45.4D.50.5F.30.35 (hex)]
12: temertatureType.32 (octet string) MEM_TEMP_06
[4D.45.4D.5F.54.45.4D.50.5F.30.36 (hex)]
13: temertatureType.33 (octet string) MEM_TEMP_07
[4D.45.4D.5F.54.45.4D.50.5F.30.37 (hex)]
14: temertatureType.34 (octet string) MEM_TEMP_08
[4D.45.4D.5F.54.45.4D.50.5F.30.38 (hex)]
15: temertatureType.35 (octet string) MEM_TEMP_09
[4D.45.4D.5F.54.45.4D.50.5F.30.39 (hex)]
16: temertatureType.36 (octet string) MEM_TEMP_10
[4D.45.4D.5F.54.45.4D.50.5F.31.30 (hex)]
17: temertatureType.37 (octet string) MEM_TEMP_11
[4D.45.4D.5F.54.45.4D.50.5F.31.31 (hex)]
18: temertatureType.38 (octet string) MEM_TEMP_12
[4D.45.4D.5F.54.45.4D.50.5F.31.32 (hex)]
19: temertatureType.39 (octet string) MEM_TEMP_13
[4D.45.4D.5F.54.45.4D.50.5F.31.33 (hex)]
20: temertatureType.40 (octet string) MEM_TEMP_14
[4D.45.4D.5F.54.45.4D.50.5F.31.34 (hex)]
21: temertatureType.41 (octet string) MEM_TEMP_15
[4D.45.4D.5F.54.45.4D.50.5F.31.35 (hex)]
22: temertatureType.42 (octet string) MEM_TEMP_16
[4D.45.4D.5F.54.45.4D.50.5F.31.36 (hex)]
23: temertatureType.43 (octet string) MEM_TEMP_17
[4D.45.4D.5F.54.45.4D.50.5F.31.37 (hex)]
24: temertatureType.44 (octet string) MEM_TEMP_18
[4D.45.4D.5F.54.45.4D.50.5F.31.38 (hex)]
25: temertatureType.45 (octet string) MEM_TEMP_19
[4D.45.4D.5F.54.45.4D.50.5F.31.39 (hex)]
26: temertatureType.46 (octet string) MEM_TEMP_20
[4D.45.4D.5F.54.45.4D.50.5F.32.30 (hex)]
27: temertatureType.47 (octet string) MEM_TEMP_21
[4D.45.4D.5F.54.45.4D.50.5F.32.31 (hex)]
28: temertatureType.48 (octet string) MEM_TEMP_22
[4D.45.4D.5F.54.45.4D.50.5F.32.32 (hex)]
29: temertatureType.49 (octet string) MEM_TEMP_23
[4D.45.4D.5F.54.45.4D.50.5F.32.33 (hex)]
30: temertatureType.50 (octet string) MEM_TEMP_24
[4D.45.4D.5F.54.45.4D.50.5F.32.34 (hex)]
31: temertatureType.96 (octet string) SYS_TEMP_01
[53.59.53.5F.54.45.4D.50.5F.30.31 (hex)]
32: temertatureType.97 (octet string) SYS_TEMP_02
[53.59.53.5F.54.45.4D.50.5F.30.32 (hex)]
33: temertatureType.98 (octet string) SYS_TEMP_03

```

```
[53.59.53.5F.54.45.4D.50.5F.30.33 (hex)]
34: temertatureType.127 (octet string) PCH_TEMP [50.43.48.5F.54.45.4D.50 (hex)]
35: temertatureType.136 (octet string) DiskBox [44.69.73.6B.42.6F.78 (hex)]
***** SNMP QUERY FINISHED *****
```

Temperature Alarm Status: temperatureAlarmStatus

For a description of this child node, refer to [Table 2-504](#).

Table 2-504 Temperature Alarm Status: temperatureAlarmStatus

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.605 3.19.1.3.2.60.1.3	No	Unsigned32	Read-only	Single value	ok(0) minor(1) major(2) critical(3) unkown(4)

Example:

```
***** SNMP QUERY STARTED *****
1: temperatureAlarmStatus.17 (gauge) ok(0)
2: temperatureAlarmStatus.18 (gauge) ok(0)
3: temperatureAlarmStatus.19 (gauge) ok(0)
4: temperatureAlarmStatus.20 (gauge) ok(0)
5: temperatureAlarmStatus.21 (gauge) ok(0)
6: temperatureAlarmStatus.22 (gauge) ok(0)
7: temperatureAlarmStatus.27 (gauge) unkown(4)
8: temperatureAlarmStatus.28 (gauge) unkown(4)
9: temperatureAlarmStatus.29 (gauge) unkown(4)
10: temperatureAlarmStatus.30 (gauge) unkown(4)
11: temperatureAlarmStatus.31 (gauge) unkown(4)
12: temperatureAlarmStatus.32 (gauge) unkown(4)
13: temperatureAlarmStatus.33 (gauge) unkown(4)
14: temperatureAlarmStatus.34 (gauge) unkown(4)
15: temperatureAlarmStatus.35 (gauge) unkown(4)
16: temperatureAlarmStatus.36 (gauge) unkown(4)
17: temperatureAlarmStatus.37 (gauge) ok(0)
18: temperatureAlarmStatus.38 (gauge) unkown(4)
19: temperatureAlarmStatus.39 (gauge) unkown(4)
20: temperatureAlarmStatus.40 (gauge) unkown(4)
21: temperatureAlarmStatus.41 (gauge) unkown(4)
22: temperatureAlarmStatus.42 (gauge) unkown(4)
23: temperatureAlarmStatus.43 (gauge) unkown(4)
24: temperatureAlarmStatus.44 (gauge) unkown(4)
```

```

25: temperatureAlarmStatus.45 (gauge) unkown(4)
26: temperatureAlarmStatus.46 (gauge) unkown(4)
27: temperatureAlarmStatus.47 (gauge) unkown(4)
28: temperatureAlarmStatus.48 (gauge) unkown(4)
29: temperatureAlarmStatus.49 (gauge) unkown(4)
30: temperatureAlarmStatus.50 (gauge) unkown(4)
31: temperatureAlarmStatus.96 (gauge) ok(0)
32: temperatureAlarmStatus.97 (gauge) ok(0)
33: temperatureAlarmStatus.98 (gauge) ok(0)
34: temperatureAlarmStatus.127 (gauge) unkown(4)
35: temperatureAlarmStatus.136 (gauge) ok(0)
***** SNMP QUERY FINISHED *****

```

Temperature Value: temperatureReading

For a description of this child node, refer to [Table 2-505](#).

Table 2-505 Temperature Value: temperatureReading

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.605 3.19.1.3.2.60.1.4	No	DisplayString	Read-only	Space size	0..128

Example:

```

***** SNMP QUERY STARTED *****
1: temperatureReading.17 (octet string) 24.000 [32.34.2E.30.30.30 (hex)]
2: temperatureReading.18 (octet string) 49.000 [34.39.2E.30.30.30 (hex)]
3: temperatureReading.19 (octet string) 46.000 [34.36.2E.30.30.30 (hex)]
4: temperatureReading.20 (octet string) 40.000 [34.30.2E.30.30.30 (hex)]
5: temperatureReading.21 (octet string) 61.000 [36.31.2E.30.30.30 (hex)]
6: temperatureReading.22 (octet string) 57.000 [35.37.2E.30.30.30 (hex)]
7: temperatureReading.27 (octet string) Reading/state unavailable
[52.65.61.64.69.6E.67.2F.73.74.61.74.65.20.75.6E.61.76.61.69.6C.61.62.6C.65 (hex)]
8: temperatureReading.28 (octet string) Reading/state unavailable
[52.65.61.64.69.6E.67.2F.73.74.61.74.65.20.75.6E.61.76.61.69.6C.61.62.6C.65 (hex)]
9: temperatureReading.29 (octet string) Reading/state unavailable
[52.65.61.64.69.6E.67.2F.73.74.61.74.65.20.75.6E.61.76.61.69.6C.61.62.6C.65 (hex)]
10: temperatureReading.30 (octet string) Reading/state unavailable
[52.65.61.64.69.6E.67.2F.73.74.61.74.65.20.75.6E.61.76.61.69.6C.61.62.6C.65 (hex)]
11: temperatureReading.31 (octet string) Reading/state unavailable
[52.65.61.64.69.6E.67.2F.73.74.61.74.65.20.75.6E.61.76.61.69.6C.61.62.6C.65 (hex)]
12: temperatureReading.32 (octet string) Reading/state unavailable
[52.65.61.64.69.6E.67.2F.73.74.61.74.65.20.75.6E.61.76.61.69.6C.61.62.6C.65 (hex)]
13: temperatureReading.33 (octet string) Reading/state unavailable

```

```

[52.65.61.64.69.6E.67.2F.73.74.61.74.65.20.75.6E.61.76.61.69.6C.61.62.6C.65 (hex)]
14: temperatureReading.34 (octet string) Reading/state unavailable
[52.65.61.64.69.6E.67.2F.73.74.61.74.65.20.75.6E.61.76.61.69.6C.61.62.6C.65 (hex)]
15: temperatureReading.35 (octet string) Reading/state unavailable
[52.65.61.64.69.6E.67.2F.73.74.61.74.65.20.75.6E.61.76.61.69.6C.61.62.6C.65 (hex)]
16: temperatureReading.36 (octet string) Reading/state unavailable
[52.65.61.64.69.6E.67.2F.73.74.61.74.65.20.75.6E.61.76.61.69.6C.61.62.6C.65 (hex)]
17: temperatureReading.37 (octet string) 36.000 [33.36.2E.30.30.30 (hex)]
18: temperatureReading.38 (octet string) Reading/state unavailable
[52.65.61.64.69.6E.67.2F.73.74.61.74.65.20.75.6E.61.76.61.69.6C.61.62.6C.65 (hex)]
19: temperatureReading.39 (octet string) Reading/state unavailable
[52.65.61.64.69.6E.67.2F.73.74.61.74.65.20.75.6E.61.76.61.69.6C.61.62.6C.65 (hex)]
20: temperatureReading.40 (octet string) Reading/state unavailable
[52.65.61.64.69.6E.67.2F.73.74.61.74.65.20.75.6E.61.76.61.69.6C.61.62.6C.65 (hex)]
21: temperatureReading.41 (octet string) Reading/state unavailable
[52.65.61.64.69.6E.67.2F.73.74.61.74.65.20.75.6E.61.76.61.69.6C.61.62.6C.65 (hex)]
22: temperatureReading.42 (octet string) Reading/state unavailable
[52.65.61.64.69.6E.67.2F.73.74.61.74.65.20.75.6E.61.76.61.69.6C.61.62.6C.65 (hex)]
23: temperatureReading.43 (octet string) Reading/state unavailable
[52.65.61.64.69.6E.67.2F.73.74.61.74.65.20.75.6E.61.76.61.69.6C.61.62.6C.65 (hex)]
24: temperatureReading.44 (octet string) Reading/state unavailable
[52.65.61.64.69.6E.67.2F.73.74.61.74.65.20.75.6E.61.76.61.69.6C.61.62.6C.65 (hex)]
25: temperatureReading.45 (octet string) Reading/state unavailable
[52.65.61.64.69.6E.67.2F.73.74.61.74.65.20.75.6E.61.76.61.69.6C.61.62.6C.65 (hex)]
26: temperatureReading.46 (octet string) Reading/state unavailable
[52.65.61.64.69.6E.67.2F.73.74.61.74.65.20.75.6E.61.76.61.69.6C.61.62.6C.65 (hex)]
27: temperatureReading.47 (octet string) Reading/state unavailable
[52.65.61.64.69.6E.67.2F.73.74.61.74.65.20.75.6E.61.76.61.69.6C.61.62.6C.65 (hex)]
28: temperatureReading.48 (octet string) Reading/state unavailable
[52.65.61.64.69.6E.67.2F.73.74.61.74.65.20.75.6E.61.76.61.69.6C.61.62.6C.65 (hex)]
29: temperatureReading.49 (octet string) Reading/state unavailable
[52.65.61.64.69.6E.67.2F.73.74.61.74.65.20.75.6E.61.76.61.69.6C.61.62.6C.65 (hex)]
30: temperatureReading.50 (octet string) Reading/state unavailable
[52.65.61.64.69.6E.67.2F.73.74.61.74.65.20.75.6E.61.76.61.69.6C.61.62.6C.65 (hex)]
31: temperatureReading.96 (octet string) 40.000 [34.30.2E.30.30.30 (hex)]
32: temperatureReading.97 (octet string) 37.000 [33.37.2E.30.30.30 (hex)]
33: temperatureReading.98 (octet string) 36.000 [33.36.2E.30.30.30 (hex)]
34: temperatureReading.127 (octet string) Reading/state unavailable
[52.65.61.64.69.6E.67.2F.73.74.61.74.65.20.75.6E.61.76.61.69.6C.61.62.6C.65 (hex)]
35: temperatureReading.136 (octet string) 27.000 [32.37.2E.30.30.30 (hex)]
***** SNMP QUERY FINISHED *****

```

Critical Threshold for High Temperature: temperatureUpperNonRecoverableThreshold

For a description of this child node, refer to [Table 2-506](#).

Table 2-506 Critical Threshold for High Temperature: temperatureUpperNonRecoverableThreshold

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1 9.1.3.2.60.1.5	No	DisplayString	Read-only	Space size	0..10

Example:

```
***** SNMP QUERY STARTED *****
1: temperatureUpperNonRecoverableThreshold.17 (octet string) -- [2D.2D (hex)]
2: temperatureUpperNonRecoverableThreshold.18 (octet string) -- [2D.2D (hex)]
3: temperatureUpperNonRecoverableThreshold.19 (octet string) -- [2D.2D (hex)]
4: temperatureUpperNonRecoverableThreshold.20 (octet string) -- [2D.2D (hex)]
5: temperatureUpperNonRecoverableThreshold.21 (octet string) -- [2D.2D (hex)]
6: temperatureUpperNonRecoverableThreshold.22 (octet string) -- [2D.2D (hex)]
7: temperatureUpperNonRecoverableThreshold.27 (octet string) 85.000
[38.35.2E.30.30.30 (hex)]
8: temperatureUpperNonRecoverableThreshold.28 (octet string) 85.000
[38.35.2E.30.30.30 (hex)]
9: temperatureUpperNonRecoverableThreshold.29 (octet string) 85.000
[38.35.2E.30.30.30 (hex)]
10: temperatureUpperNonRecoverableThreshold.30 (octet string) 85.000
[38.35.2E.30.30.30 (hex)]
11: temperatureUpperNonRecoverableThreshold.31 (octet string) 85.000
[38.35.2E.30.30.30 (hex)]
12: temperatureUpperNonRecoverableThreshold.32 (octet string) 85.000
[38.35.2E.30.30.30 (hex)]
13: temperatureUpperNonRecoverableThreshold.33 (octet string) 85.000
[38.35.2E.30.30.30 (hex)]
14: temperatureUpperNonRecoverableThreshold.34 (octet string) 85.000
[38.35.2E.30.30.30 (hex)]
15: temperatureUpperNonRecoverableThreshold.35 (octet string) 85.000
[38.35.2E.30.30.30 (hex)]
16: temperatureUpperNonRecoverableThreshold.36 (octet string) 85.000
[38.35.2E.30.30.30 (hex)]
17: temperatureUpperNonRecoverableThreshold.37 (octet string) 85.000
[38.35.2E.30.30.30 (hex)]
18: temperatureUpperNonRecoverableThreshold.38 (octet string) 85.000
[38.35.2E.30.30.30 (hex)]
```

```

19: temperatureUpperNonRecoverableThreshold.39 (octet string) 85.000
[38.35.2E.30.30.30 (hex)]
20: temperatureUpperNonRecoverableThreshold.40 (octet string) 85.000
[38.35.2E.30.30.30 (hex)]
21: temperatureUpperNonRecoverableThreshold.41 (octet string) 85.000
[38.35.2E.30.30.30 (hex)]
22: temperatureUpperNonRecoverableThreshold.42 (octet string) 85.000
[38.35.2E.30.30.30 (hex)]
23: temperatureUpperNonRecoverableThreshold.43 (octet string) 85.000
[38.35.2E.30.30.30 (hex)]
24: temperatureUpperNonRecoverableThreshold.44 (octet string) 85.000
[38.35.2E.30.30.30 (hex)]
25: temperatureUpperNonRecoverableThreshold.45 (octet string) 85.000
[38.35.2E.30.30.30 (hex)]
26: temperatureUpperNonRecoverableThreshold.46 (octet string) 85.000
[38.35.2E.30.30.30 (hex)]
27: temperatureUpperNonRecoverableThreshold.47 (octet string) 85.000
[38.35.2E.30.30.30 (hex)]
28: temperatureUpperNonRecoverableThreshold.48 (octet string) 85.000
[38.35.2E.30.30.30 (hex)]
29: temperatureUpperNonRecoverableThreshold.49 (octet string) 85.000
[38.35.2E.30.30.30 (hex)]
30: temperatureUpperNonRecoverableThreshold.50 (octet string) 85.000
[38.35.2E.30.30.30 (hex)]
31: temperatureUpperNonRecoverableThreshold.96 (octet string) -- [2D.2D (hex)]
32: temperatureUpperNonRecoverableThreshold.97 (octet string) -- [2D.2D (hex)]
33: temperatureUpperNonRecoverableThreshold.98 (octet string) -- [2D.2D (hex)]
34: temperatureUpperNonRecoverableThreshold.127 (octet string) 105.000
[31.30.35.2E.30.30.30 (hex)]
35: temperatureUpperNonRecoverableThreshold.136 (octet string) -- [2D.2D (hex)]
***** SNMP QUERY FINISHED *****

```

Major Threshold for High Temperature: temperatureUpperCriticalThreshold

For a description of this child node, refer to [Table 2-507](#).

Table 2-507 Major Threshold for High Temperature: temperatureUpperCriticalThreshold

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19 .1.3.2.60.1.6	No	DisplayString	Read-only	Space size	0..10

Example:

```
***** SNMP QUERY STARTED *****
```

```

1: temperatureUpperCriticalThreshold.17 (octet string) 50.000 [35.30.2E.30.30.30 (hex)]
2: temperatureUpperCriticalThreshold.18 (octet string) -- [2D.2D (hex)]
3: temperatureUpperCriticalThreshold.19 (octet string) -- [2D.2D (hex)]
4: temperatureUpperCriticalThreshold.20 (octet string) -- [2D.2D (hex)]
5: temperatureUpperCriticalThreshold.21 (octet string) 88.000 [38.38.2E.30.30.30 (hex)]
6: temperatureUpperCriticalThreshold.22 (octet string) 88.000 [38.38.2E.30.30.30 (hex)]
7: temperatureUpperCriticalThreshold.27 (octet string) 83.000 [38.33.2E.30.30.30 (hex)]
8: temperatureUpperCriticalThreshold.28 (octet string) 83.000 [38.33.2E.30.30.30 (hex)]
9: temperatureUpperCriticalThreshold.29 (octet string) 83.000 [38.33.2E.30.30.30 (hex)]
10: temperatureUpperCriticalThreshold.30 (octet string) 83.000
[38.33.2E.30.30.30 (hex)]
11: temperatureUpperCriticalThreshold.31 (octet string) 83.000
[38.33.2E.30.30.30 (hex)]
12: temperatureUpperCriticalThreshold.32 (octet string) 83.000
[38.33.2E.30.30.30 (hex)]
13: temperatureUpperCriticalThreshold.33 (octet string) 83.000
[38.33.2E.30.30.30 (hex)]
14: temperatureUpperCriticalThreshold.34 (octet string) 83.000
[38.33.2E.30.30.30 (hex)]
15: temperatureUpperCriticalThreshold.35 (octet string) 83.000
[38.33.2E.30.30.30 (hex)]
16: temperatureUpperCriticalThreshold.36 (octet string) 83.000
[38.33.2E.30.30.30 (hex)]
17: temperatureUpperCriticalThreshold.37 (octet string) 83.000
[38.33.2E.30.30.30 (hex)]
18: temperatureUpperCriticalThreshold.38 (octet string) 83.000
[38.33.2E.30.30.30 (hex)]
19: temperatureUpperCriticalThreshold.39 (octet string) 83.000
[38.33.2E.30.30.30 (hex)]
20: temperatureUpperCriticalThreshold.40 (octet string) 83.000
[38.33.2E.30.30.30 (hex)]
21: temperatureUpperCriticalThreshold.41 (octet string) 83.000
[38.33.2E.30.30.30 (hex)]
22: temperatureUpperCriticalThreshold.42 (octet string) 83.000
[38.33.2E.30.30.30 (hex)]
23: temperatureUpperCriticalThreshold.43 (octet string) 83.000
[38.33.2E.30.30.30 (hex)]
24: temperatureUpperCriticalThreshold.44 (octet string) 83.000
[38.33.2E.30.30.30 (hex)]
25: temperatureUpperCriticalThreshold.45 (octet string) 83.000
[38.33.2E.30.30.30 (hex)]
26: temperatureUpperCriticalThreshold.46 (octet string) 83.000
[38.33.2E.30.30.30 (hex)]

```

```

27: temperatureUpperCriticalThreshold.47 (octet string) 83.000
[38.33.2E.30.30.30 (hex)]
28: temperatureUpperCriticalThreshold.48 (octet string) 83.000
[38.33.2E.30.30.30 (hex)]
29: temperatureUpperCriticalThreshold.49 (octet string) 83.000
[38.33.2E.30.30.30 (hex)]
30: temperatureUpperCriticalThreshold.50 (octet string) 83.000
[38.33.2E.30.30.30 (hex)]
31: temperatureUpperCriticalThreshold.96 (octet string) -- [2D.2D (hex)]
32: temperatureUpperCriticalThreshold.97 (octet string) -- [2D.2D (hex)]
33: temperatureUpperCriticalThreshold.98 (octet string) -- [2D.2D (hex)]
34: temperatureUpperCriticalThreshold.127 (octet string) 90.000
[39.30.2E.30.30.30 (hex)]
35: temperatureUpperCriticalThreshold.136 (octet string) 70.000
[37.30.2E.30.30.30 (hex)]
***** SNMP QUERY FINISHED *****

```

Minor Threshold for High Temperature: temperatureUpperNonCriticalThreshold

For a description of this child node, refer to [Table 2-508](#).

Table 2-508 Minor Threshold for High Temperature: temperatureUpperNonCriticalThreshold

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1 9.1.3.2.60.1.7	No	DisplayString	Read-only	Space size	0..10

Example:

```

***** SNMP QUERY STARTED *****
1: temperatureUpperNonCriticalThreshold.17 (octet string) 40.000
[34.30.2E.30.30.30 (hex)]
2: temperatureUpperNonCriticalThreshold.18 (octet string) -- [2D.2D (hex)]
3: temperatureUpperNonCriticalThreshold.19 (octet string) -- [2D.2D (hex)]
4: temperatureUpperNonCriticalThreshold.20 (octet string) -- [2D.2D (hex)]
5: temperatureUpperNonCriticalThreshold.21 (octet string) -- [2D.2D (hex)]
6: temperatureUpperNonCriticalThreshold.22 (octet string) -- [2D.2D (hex)]
7: temperatureUpperNonCriticalThreshold.27 (octet string) 80.000
[38.30.2E.30.30.30 (hex)]
8: temperatureUpperNonCriticalThreshold.28 (octet string) 80.000
[38.30.2E.30.30.30 (hex)]
9: temperatureUpperNonCriticalThreshold.29 (octet string) 80.000
[38.30.2E.30.30.30 (hex)]
10: temperatureUpperNonCriticalThreshold.30 (octet string) 80.000
[38.30.2E.30.30.30 (hex)]

```

11: temperatureUpperNonCriticalThreshold.31 (octet string) 80.000
[38.30.2E.30.30.30 (hex)]
12: temperatureUpperNonCriticalThreshold.32 (octet string) 80.000
[38.30.2E.30.30.30 (hex)]
13: temperatureUpperNonCriticalThreshold.33 (octet string) 80.000
[38.30.2E.30.30.30 (hex)]
14: temperatureUpperNonCriticalThreshold.34 (octet string) 80.000
[38.30.2E.30.30.30 (hex)]
15: temperatureUpperNonCriticalThreshold.35 (octet string) 80.000
[38.30.2E.30.30.30 (hex)]
16: temperatureUpperNonCriticalThreshold.36 (octet string) 80.000
[38.30.2E.30.30.30 (hex)]
17: temperatureUpperNonCriticalThreshold.37 (octet string) 80.000
[38.30.2E.30.30.30 (hex)]
18: temperatureUpperNonCriticalThreshold.38 (octet string) 80.000
[38.30.2E.30.30.30 (hex)]
19: temperatureUpperNonCriticalThreshold.39 (octet string) 80.000
[38.30.2E.30.30.30 (hex)]
20: temperatureUpperNonCriticalThreshold.40 (octet string) 80.000
[38.30.2E.30.30.30 (hex)]
21: temperatureUpperNonCriticalThreshold.41 (octet string) 80.000
[38.30.2E.30.30.30 (hex)]
22: temperatureUpperNonCriticalThreshold.42 (octet string) 80.000
[38.30.2E.30.30.30 (hex)]
23: temperatureUpperNonCriticalThreshold.43 (octet string) 80.000
[38.30.2E.30.30.30 (hex)]
24: temperatureUpperNonCriticalThreshold.44 (octet string) 80.000
[38.30.2E.30.30.30 (hex)]
25: temperatureUpperNonCriticalThreshold.45 (octet string) 80.000
[38.30.2E.30.30.30 (hex)]
26: temperatureUpperNonCriticalThreshold.46 (octet string) 80.000
[38.30.2E.30.30.30 (hex)]
27: temperatureUpperNonCriticalThreshold.47 (octet string) 80.000
[38.30.2E.30.30.30 (hex)]
28: temperatureUpperNonCriticalThreshold.48 (octet string) 80.000
[38.30.2E.30.30.30 (hex)]
29: temperatureUpperNonCriticalThreshold.49 (octet string) 80.000
[38.30.2E.30.30.30 (hex)]
30: temperatureUpperNonCriticalThreshold.50 (octet string) 80.000
[38.30.2E.30.30.30 (hex)]
31: temperatureUpperNonCriticalThreshold.96 (octet string) -- [2D.2D (hex)]
32: temperatureUpperNonCriticalThreshold.97 (octet string) -- [2D.2D (hex)]
33: temperatureUpperNonCriticalThreshold.98 (octet string) -- [2D.2D (hex)]
34: temperatureUpperNonCriticalThreshold.127 (octet string) 78.000

```
[37.38.2E.30.30.30 (hex)]
35: temperatureUpperNonCriticalThreshold.136 (octet string) -- [2D.2D (hex)]
***** SNMP QUERY FINISHED *****
```

Critical Threshold for Low Temperature: temperatureLowerNonRecoverableThreshold

For a description of this child node, refer to [Table 2-509](#).

Table 2-509 Critical Threshold for Low Temperature: temperatureLowerNonRecoverableThreshold

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19 1.3.2.60.1.8	No	DisplayString	Read-only	Space size	0..10

Example:

```
***** SNMP QUERY STARTED *****
1: temperatureLowerNonRecoverableThreshold.17 (octet string) -- [2D.2D (hex)]
2: temperatureLowerNonRecoverableThreshold.18 (octet string) -- [2D.2D (hex)]
3: temperatureLowerNonRecoverableThreshold.19 (octet string) -- [2D.2D (hex)]
4: temperatureLowerNonRecoverableThreshold.20 (octet string) -- [2D.2D (hex)]
5: temperatureLowerNonRecoverableThreshold.21 (octet string) -- [2D.2D (hex)]
6: temperatureLowerNonRecoverableThreshold.22 (octet string) -- [2D.2D (hex)]
7: temperatureLowerNonRecoverableThreshold.27 (octet string) -- [2D.2D (hex)]
8: temperatureLowerNonRecoverableThreshold.28 (octet string) -- [2D.2D (hex)]
9: temperatureLowerNonRecoverableThreshold.29 (octet string) -- [2D.2D (hex)]
10: temperatureLowerNonRecoverableThreshold.30 (octet string) -- [2D.2D (hex)]
11: temperatureLowerNonRecoverableThreshold.31 (octet string) -- [2D.2D (hex)]
12: temperatureLowerNonRecoverableThreshold.32 (octet string) -- [2D.2D (hex)]
13: temperatureLowerNonRecoverableThreshold.33 (octet string) -- [2D.2D (hex)]
14: temperatureLowerNonRecoverableThreshold.34 (octet string) -- [2D.2D (hex)]
15: temperatureLowerNonRecoverableThreshold.35 (octet string) -- [2D.2D (hex)]
16: temperatureLowerNonRecoverableThreshold.36 (octet string) -- [2D.2D (hex)]
17: temperatureLowerNonRecoverableThreshold.37 (octet string) -- [2D.2D (hex)]
18: temperatureLowerNonRecoverableThreshold.38 (octet string) -- [2D.2D (hex)]
19: temperatureLowerNonRecoverableThreshold.39 (octet string) -- [2D.2D (hex)]
20: temperatureLowerNonRecoverableThreshold.40 (octet string) -- [2D.2D (hex)]
21: temperatureLowerNonRecoverableThreshold.41 (octet string) -- [2D.2D (hex)]
22: temperatureLowerNonRecoverableThreshold.42 (octet string) -- [2D.2D (hex)]
23: temperatureLowerNonRecoverableThreshold.43 (octet string) -- [2D.2D (hex)]
24: temperatureLowerNonRecoverableThreshold.44 (octet string) -- [2D.2D (hex)]
25: temperatureLowerNonRecoverableThreshold.45 (octet string) -- [2D.2D (hex)]
26: temperatureLowerNonRecoverableThreshold.46 (octet string) -- [2D.2D (hex)]
```

```

27: temperatureLowerNonRecoverableThreshold.47 (octet string) -- [2D.2D (hex)]
28: temperatureLowerNonRecoverableThreshold.48 (octet string) -- [2D.2D (hex)]
29: temperatureLowerNonRecoverableThreshold.49 (octet string) -- [2D.2D (hex)]
30: temperatureLowerNonRecoverableThreshold.50 (octet string) -- [2D.2D (hex)]
31: temperatureLowerNonRecoverableThreshold.96 (octet string) -- [2D.2D (hex)]
32: temperatureLowerNonRecoverableThreshold.97 (octet string) -- [2D.2D (hex)]
33: temperatureLowerNonRecoverableThreshold.98 (octet string) -- [2D.2D (hex)]
34: temperatureLowerNonRecoverableThreshold.127 (octet string) -- [2D.2D (hex)]
35: temperatureLowerNonRecoverableThreshold.136 (octet string) -- [2D.2D (hex)]
***** SNMP QUERY FINISHED *****

```

Major Threshold for Low Temperature: temperatureLowerCriticalThreshold

For a description of this child node, refer to [Table 2-510](#).

Table 2-510 Major Threshold for Low Temperature: temperatureLowerCriticalThreshold

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.19 .1.3.2.60.1.9	No	DisplayString	Read-only	Space size	0..10

Example:

```

***** SNMP QUERY STARTED *****
1: temperatureLowerCriticalThreshold.17 (octet string) -- [2D.2D (hex)]
2: temperatureLowerCriticalThreshold.18 (octet string) -- [2D.2D (hex)]
3: temperatureLowerCriticalThreshold.19 (octet string) -- [2D.2D (hex)]
4: temperatureLowerCriticalThreshold.20 (octet string) -- [2D.2D (hex)]
5: temperatureLowerCriticalThreshold.21 (octet string) -- [2D.2D (hex)]
6: temperatureLowerCriticalThreshold.22 (octet string) -- [2D.2D (hex)]
7: temperatureLowerCriticalThreshold.27 (octet string) -- [2D.2D (hex)]
8: temperatureLowerCriticalThreshold.28 (octet string) -- [2D.2D (hex)]
9: temperatureLowerCriticalThreshold.29 (octet string) -- [2D.2D (hex)]
10: temperatureLowerCriticalThreshold.30 (octet string) -- [2D.2D (hex)]
11: temperatureLowerCriticalThreshold.31 (octet string) -- [2D.2D (hex)]
12: temperatureLowerCriticalThreshold.32 (octet string) -- [2D.2D (hex)]
13: temperatureLowerCriticalThreshold.33 (octet string) -- [2D.2D (hex)]
14: temperatureLowerCriticalThreshold.34 (octet string) -- [2D.2D (hex)]
15: temperatureLowerCriticalThreshold.35 (octet string) -- [2D.2D (hex)]
16: temperatureLowerCriticalThreshold.36 (octet string) -- [2D.2D (hex)]
17: temperatureLowerCriticalThreshold.37 (octet string) -- [2D.2D (hex)]
18: temperatureLowerCriticalThreshold.38 (octet string) -- [2D.2D (hex)]
19: temperatureLowerCriticalThreshold.39 (octet string) -- [2D.2D (hex)]
20: temperatureLowerCriticalThreshold.40 (octet string) -- [2D.2D (hex)]
21: temperatureLowerCriticalThreshold.41 (octet string) -- [2D.2D (hex)]

```

```

22: temperatureLowerCriticalThreshold.42 (octet string) -- [2D.2D (hex)]
23: temperatureLowerCriticalThreshold.43 (octet string) -- [2D.2D (hex)]
24: temperatureLowerCriticalThreshold.44 (octet string) -- [2D.2D (hex)]
25: temperatureLowerCriticalThreshold.45 (octet string) -- [2D.2D (hex)]
26: temperatureLowerCriticalThreshold.46 (octet string) -- [2D.2D (hex)]
27: temperatureLowerCriticalThreshold.47 (octet string) -- [2D.2D (hex)]
28: temperatureLowerCriticalThreshold.48 (octet string) -- [2D.2D (hex)]
29: temperatureLowerCriticalThreshold.49 (octet string) -- [2D.2D (hex)]
30: temperatureLowerCriticalThreshold.50 (octet string) -- [2D.2D (hex)]
31: temperatureLowerCriticalThreshold.96 (octet string) -- [2D.2D (hex)]
32: temperatureLowerCriticalThreshold.97 (octet string) -- [2D.2D (hex)]
33: temperatureLowerCriticalThreshold.98 (octet string) -- [2D.2D (hex)]
34: temperatureLowerCriticalThreshold.127 (octet string) -- [2D.2D (hex)]
35: temperatureLowerCriticalThreshold.136 (octet string) -- [2D.2D (hex)]
***** SNMP QUERY FINISHED *****

```

Minor Threshold for Low Temperature: temperatureLowerNonCriticalThreshold

For a description of this child node, refer to [Table 2-511](#).

Table 2-511 Minor Threshold for Low Temperature: temperatureLowerNonCriticalThreshold

Child Node OID	Index Flag	Data Type	Access Attribute	Data Constraint Type	Constraint Value
1.3.6.1.4.1.3902.6053.1 9.1.3.2.60.1.10	NO	DisplayString	readonly	Space size	0..10

Example:

```

***** SNMP QUERY STARTED *****
1: temperatureLowerNonCriticalThreshold.17 (octet string) -- [2D.2D (hex)]
2: temperatureLowerNonCriticalThreshold.18 (octet string) -- [2D.2D (hex)]
3: temperatureLowerNonCriticalThreshold.19 (octet string) -- [2D.2D (hex)]
4: temperatureLowerNonCriticalThreshold.20 (octet string) -- [2D.2D (hex)]
5: temperatureLowerNonCriticalThreshold.21 (octet string) -- [2D.2D (hex)]
6: temperatureLowerNonCriticalThreshold.22 (octet string) -- [2D.2D (hex)]
7: temperatureLowerNonCriticalThreshold.27 (octet string) -- [2D.2D (hex)]
8: temperatureLowerNonCriticalThreshold.28 (octet string) -- [2D.2D (hex)]
9: temperatureLowerNonCriticalThreshold.29 (octet string) -- [2D.2D (hex)]
10: temperatureLowerNonCriticalThreshold.30 (octet string) -- [2D.2D (hex)]
11: temperatureLowerNonCriticalThreshold.31 (octet string) -- [2D.2D (hex)]
12: temperatureLowerNonCriticalThreshold.32 (octet string) -- [2D.2D (hex)]
13: temperatureLowerNonCriticalThreshold.33 (octet string) -- [2D.2D (hex)]
14: temperatureLowerNonCriticalThreshold.34 (octet string) -- [2D.2D (hex)]
15: temperatureLowerNonCriticalThreshold.35 (octet string) -- [2D.2D (hex)]
16: temperatureLowerNonCriticalThreshold.36 (octet string) -- [2D.2D (hex)]

```

```
17: temperatureLowerNonCriticalThreshold.37 (octet string) -- [2D.2D (hex)]
18: temperatureLowerNonCriticalThreshold.38 (octet string) -- [2D.2D (hex)]
19: temperatureLowerNonCriticalThreshold.39 (octet string) -- [2D.2D (hex)]
20: temperatureLowerNonCriticalThreshold.40 (octet string) -- [2D.2D (hex)]
21: temperatureLowerNonCriticalThreshold.41 (octet string) -- [2D.2D (hex)]
22: temperatureLowerNonCriticalThreshold.42 (octet string) -- [2D.2D (hex)]
23: temperatureLowerNonCriticalThreshold.43 (octet string) -- [2D.2D (hex)]
24: temperatureLowerNonCriticalThreshold.44 (octet string) -- [2D.2D (hex)]
25: temperatureLowerNonCriticalThreshold.45 (octet string) -- [2D.2D (hex)]
26: temperatureLowerNonCriticalThreshold.46 (octet string) -- [2D.2D (hex)]
27: temperatureLowerNonCriticalThreshold.47 (octet string) -- [2D.2D (hex)]
28: temperatureLowerNonCriticalThreshold.48 (octet string) -- [2D.2D (hex)]
29: temperatureLowerNonCriticalThreshold.49 (octet string) -- [2D.2D (hex)]
30: temperatureLowerNonCriticalThreshold.50 (octet string) -- [2D.2D (hex)]
31: temperatureLowerNonCriticalThreshold.96 (octet string) -- [2D.2D (hex)]
32: temperatureLowerNonCriticalThreshold.97 (octet string) -- [2D.2D (hex)]
33: temperatureLowerNonCriticalThreshold.98 (octet string) -- [2D.2D (hex)]
34: temperatureLowerNonCriticalThreshold.127 (octet string) -- [2D.2D (hex)]
35: temperatureLowerNonCriticalThreshold.136 (octet string) -- [2D.2D (hex)]
***** SNMP QUERY FINISHED *****
```

Chapter 3

Query of SNMP Traps Based on Event OIDs

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For the feature tree of the trap information that is applicable to VANTAGEO servers, refer to [Table 3-1](#).

Table 3-1 Trap Information Feature Tree

Alarm Type ID/ Alarm Code	Trap OID	Alarm Name
5632	1.3.6.1.4.1.3902.6053.19.1.3.11.1.5632	The hard disk used-rate is over threshold.
5797	1.3.6.1.4.1.3902.6053.19.1.3.11.1.5797	The hard disk is abnormal.
5800	1.3.6.1.4.1.3902.6053.19.1.3.11.1.5800	Hard disk offline.
5801	1.3.6.1.4.1.3902.6053.19.1.3.11.1.5801	Virtual disk is abnormal.
5802	1.3.6.1.4.1.3902.6053.19.1.3.11.1.5802	RAID card is abnormal.
23050	1.3.6.1.4.1.3902.6053.19.1.3.11.1.23050	Fan device absent.
23051	1.3.6.1.4.1.3902.6053.19.1.3.11.1.23051	Power unit absent.
30721	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30721	Temperature is lower than lower-non-critical threshold.

Alarm Type ID/ Alarm Code	Trap OID	Alarm Name
30722	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30722	Temperature is lower than lower-critical threshold.
30723	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30723	Temperature is lower than lower-non-recoverable threshold.
30724	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30724	Temperature is higher than upper-non-critical threshold.
30725	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30725	Temperature is higher than upper-critical threshold.
30726	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30726	Temperature is higher than upper-non-recoverable threshold.
30727	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30727	Voltage is lower than lower-non-critical threshold.
30728	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30728	Voltage is lower than lower-critical threshold.
30729	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30729	Voltage is lower than lower-non-recoverable threshold.
30730	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30730	Voltage is higher than upper-non-critical threshold.
30731	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30731	Voltage is higher than upper-critical threshold.
30732	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30732	Voltage is higher than upper-non-recoverable threshold.
30734	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30734	Velocity of fan is lower than lower-critical threshold.
30736	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30736	CPU utilization exceeds alarm limit.
30737	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30737	Memory utilization exceeds alarm limit.
30745	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30745	Velocity of fan is lower than lower-non-critical threshold.
30746	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30746	Velocity of fan is lower than lower-non-recoverable threshold.
30752	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30752	NIC port link state is down.
30756	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30756	Power major fault

Alarm Type ID/ Alarm Code	Trap OID	Alarm Name
30758	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30758	Power minor fault
30759	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30759	Fault memory isolation
30762	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30762	Server power on failure
30763	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30763	System Intrusion.
30765	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30765	CPU error.
30768	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30768	PCIe error.
30772	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30772	Correctable memory error.
30773	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30773	Uncorrectable memory error.
30774	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30774	Correctable error limit reached
30776	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30776	The total power is higher than threshold.
30777	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30777	System psus are not compatible.
30780	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30780	POST Error.
30781	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30781	MCE Fatal Error.
30782	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30782	MCE Catastrophic Error.
30783	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30783	CPU Predictive Failure Detected.
30786	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30786	Device temperature is higher than major threshold.
30787	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30787	Server is powered on.
30790	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30790	Server is powered off.
30791	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30791	Power module status change.
30810	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30810	Hard disk status change.
30815	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30815	Host cpu reset event.
30832	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30832	PCIe scan failed.
30833	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30833	PCIe correctable error.
30834	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30834	PCIe correctable error.
30835	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30835	Correctable memory error.
30836	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30836	CPU Predictive Failure Detected.

Alarm Type ID/ Alarm Code	Trap OID	Alarm Name
30837	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30837	Services on this server are recommended to be moved out.
30838	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30838	Heat alert.
30839	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30839	ambient temperature read abnormal.
30840	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30840	PCIe topology changed.
30841	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30841	automatic apply new PCIe topology config.
30842	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30842	PCIe device is equipped error.
30843	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30843	Hard disk is missing.
30844	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30844	Hard disk is not accessible.
30845	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30845	Watchdog alarm.
30846	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30846	Watchdog inform.
30847	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30847	Fantray fully redundant state inform.
30848	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30848	Fantray redundancy lost alarm.
30849	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30849	PSU fully redundant state inform.
30850	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30850	PSU redundancy degraded alarm.
30851	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30851	PSU redundancy lost alarm.
30852	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30852	UID button inform.
30853	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30853	BMC system restart inform.
30854	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30854	Power button inform.
30855	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30855	Auto active bios Success
30856	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30856	System boot inform.
30857	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30857	Hard disk temperature is higher than major threshold.
30859	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30859	Smart Nic Detect Error.
30860	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30860	Hard disk has predictive failure.
30861	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30861	Liquid cooling system is leaking.
30862	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30862	Liquid cooling system is out of service
30864	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30864	Fan speed status abnormal alarm

Alarm Type ID/ Alarm Code	Trap OID	Alarm Name
30865	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30865	Memory temperature above major threshold alarm
30866	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30866	System firmware status abnormal alarm
30867	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30867	Abnormal power on alarm
30870	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30870	Optical module status abnormal alarm
30880	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30880	Abnormal PSU output alarm
30881	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30881	PSU fan predictive failure alarm.
30890	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30890	Correctable ECC error minor alarm limit reached.
30891	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30891	Correctable ECC error minor alarm limit reached.
30900	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30900	Waiting Taihang Post Start
30901	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30901	Waiting Taihang Post Success
30902	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30902	SOC Post failed
30903	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30903	BIOS Post failed
30905	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30905	Asset Change Notification.
30907	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30907	A Machine Check Exception occurred recently.
30911	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30911	Nvme link is abnormal.
30912	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30912	Nvme has failure.
30913	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30913	Liquid cooling system but the Liquid-card is not present
30916	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30916	CPU configure error.
30918	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30918	The hard disk has foreign configuration.
30920	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30920	FRB1/BIST Failure.
8392707	1.3.6.1.4.1.3902.6053.19.1.3.11.1.8392707	BMC synchronize status change.

3.1 Temperature and Voltage Sensor Alarm Traps

For temperature and voltage sensor alarm traps, refer to [Table 3-2](#).

Table 3-2 Temperature and Voltage Sensor Alarm Traps

Alarm Type ID/ Alarm Code	Trap OID	Alarm Name
30721	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30721	Temperature is lower than lower-non-critical threshold.
30722	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30722	Temperature is lower than lower-critical threshold.
30723	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30723	Temperature is lower than lower-non-recoverable threshold.
30724	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30724	Temperature is higher than upper-non-critical threshold.
30725	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30725	Temperature is higher than upper-critical threshold.
30726	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30726	Temperature is higher than upper-non-recoverable threshold.
30727	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30727	Voltage is lower than lower-non-critical threshold.
30728	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30728	Voltage is lower than lower-critical threshold.
30729	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30729	Voltage is lower than lower-non-recoverable threshold.
30730	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30730	Voltage is higher than upper-non-critical threshold.
30731	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30731	Voltage is higher than upper-critical threshold.
30732	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30732	Voltage is higher than upper-non-recoverable threshold.

3.1.1 Temperature is lower than lower-non-critical threshold: 30721

For a description of the alarm, refer to [Table 3-3](#).

Table 3-3 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.1 9.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.1 9.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.1 9.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm ongoing 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.1 9.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC reboot	No
1.3.6.1.4.1.3902.6053.1 9.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No
1.3.6.1.4.1.3902.6053.1 9.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: fan 64: CPU 65: hard disk 66: memory 67: I/O module 68: GPU 69: smart card 70: AI card 71: onboard NIC 72: OCP card 193: device	No
1.3.6.1.4.1.3902.6053.1 9.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.1 9.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.1 9.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.1 9.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6053.1 9.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.1 9.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.1 9.1.3.11.2.30721.1	trap-30721-ucFruId	Unsigned32	FRU ID	–	No
1.3.6.1.4.1.3902.6053.1 9.1.3.11.2.30721.5	trap-30721-aucCurrentValue	DisplayString	Current value	–	No
1.3.6.1.4.1.3902.6053.1 9.1.3.11.2.30721.6	trap-30721-aucThresholdValue	DisplayString	Threshold value	–	No
1.3.6.1.4.1.3902.6053.1 9.1.3.11.2.30721.7	trap-30721-aucUnitStr	DisplayString	Unit	–	No
1.3.6.1.4.1.3902.6053.1 9.1.3.11.2.30721.8	trap-30721-aucSensorName	DisplayString	Sensor name	–	No

3.1.2 Temperature is lower than lower-critical threshold: 30722

For a description of the alarm, refer to [Table 3-4](#).

Table 3-4 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm ongoing 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
				● 4: cleared through deletion ● 8: cleared through BMC reboot	
1.3.6.1.4.1.3902.60 53.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	● 1: Critical ● 2: Major ● 3: Unknown ● 4: Minor ● 5: Inform	No
1.3.6.1.4.1.3902.60 53.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	● 0: mainboard ● 1: PSU ● 4: fan ● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	No
1.3.6.1.4.1.3902.60 53.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.60 53.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.60 53.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.60 53.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.60 53.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.60 53.19.1.3.11.3.20	tAlarmUTC-Time	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30722.1	trap-30722-ucFruId	Unsigned32	FRU ID	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30722.5	trap-30722-aucCurrentValue	DisplayString	Current value	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30722.6	trap-30722-aucThresholdValue	DisplayString	Threshold value	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30722.7	trap-30722-aucUnitStr	DisplayString	Unit	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30722.8	trap-30722-aucSensorName	DisplayString	Sensor name	–	No

3.1.3 Temperature is lower than lower-non-recoverable threshold: 30723

For a description of the alarm, refer to [Table 3-5](#).

Table 3-5 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm ongoing 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
				8: cleared through BMC reboot	
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: fan 64: CPU 65: hard disk 66: memory 67: I/O module 68: GPU 69: smart card 70: AI card 71: onboard NIC 72: OCP card 193: device	No
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm de- scription	–	No
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.60 53.19.1.3.11.2.3072 3.1	trap-30723-ucF ruld	Unsigned32	FRU ID	–	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30723.5	trap-30723-aucCurrentValue	DisplayString	Current value	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30723.6	trap-30723-aucThresholdValue	DisplayString	Threshold value	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30723.7	trap-30723-aucUnitStr	DisplayString	Unit	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30723.8	trap-30723-aucSensorName	DisplayString	Sensor name	–	No

3.1.4 Temperature is higher than upper-non-critical threshold: 30724

For a description of the alarm, refer to [Table 3-6](#).

Table 3-6 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm ongoing 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC reboot	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.5	ucAlarmSeverity	Unsigned32	Alarm level	● 1: Critical ● 2: Major ● 3: Unknown ● 4: Minor ● 5: Inform	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.6	dwDeviceType	Unsigned32	Component type	● 0: mainboard ● 1: PSU ● 4: fan ● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30724.1	trap-30724-ucFruId	Unsigned32	FRU ID	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30724.5	trap-30724-aucCurrentValue	DisplayString	Current value	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30724.6	trap-30724-aucThresholdValue	DisplayString	Threshold value	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30724.7	trap-30724-aucUnitStr	DisplayString	Unit	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30724.8	trap-30724-aucSensorName	DisplayString	Sensor name	–	No

3.1.5 Temperature is higher than upper-critical threshold: 30725

For a description of the alarm, refer to [Table 3-7](#).

Table 3-7 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm ongoing 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
				4: cleared through deletion 8: cleared through BMC reboot	
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: fan 64: CPU 65: hard disk 66: memory 67: I/O module 68: GPU 69: smart card 70: AI card 71: onboard NIC 72: OCP card 193: device	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30725.1	trap-30725-ucFruId	Unsigned32	FRU ID	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30725.5	trap-30725-aucCurrentValue	DisplayString	Current value	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30725.6	trap-30725-aucThresholdValue	DisplayString	Threshold value	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30725.7	trap-30725-aucUnitStr	DisplayString	Unit	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30725.8	trap-30725-aucSensorName	DisplayString	Sensor name	–	No

3.1.6 Temperature is higher than upper-non-recoverable threshold: 30726

For a description of the alarm, refer to [Table 3-8](#).

Table 3-8 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	● 1: alarm on-going	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
				2: alarm cleared	
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC reboot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: fan 64: CPU 65: hard disk 66: memory 67: I/O module 68: GPU 69: smart card 70: AI card 71: onboard NIC 72: OCP card 193: device	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30726.1	trap-30726-ucFruId	Unsigned32	FRU ID	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30726.5	trap-30726-aucCurrentValue	DisplayString	Current value	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30726.6	trap-30726-aucThresholdValue	DisplayString	Threshold value	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30726.7	trap-30726-aucUnitStr	DisplayString	Unit	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30726.8	trap-30726-aucSensorName	DisplayString	Sensor name	–	No

3.1.7 Voltage is lower than lower-non-critical threshold: 30727

For a description of the alarm, refer to [Table 3-9](#).

Table 3-9 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm on-going 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC reboot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: fan 64: CPU 65: hard disk 66: memory 67: I/O module 68: GPU 69: smart card 70: AI card 71: onboard NIC 72: OCP card 193: device	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30727.1	trap-30727-ucFruId	Unsigned32	FRU ID	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30727.5	trap-30727-aucCurrentValue	DisplayString	Current value	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30727.6	trap-30727-aucThresholdValue	DisplayString	Threshold value	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30727.7	trap-30727-aucUnitStr	DisplayString	Unit	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30727.8	trap-30727-aucSensorName	DisplayString	Sensor name	–	No

3.1.8 Voltage is lower than lower-critical threshold: 30728

For a description of the alarm, refer to [Table 3-10](#).

Table 3-10 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm on-going 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC reboot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: fan 64: CPU 65: hard disk 66: memory 67: I/O module 68: GPU 69: smart card 70: AI card 71: onboard NIC	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
				● 72: OCP card ● 193: device	
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30728.1	trap-30728-ucFruId	Unsigned32	FRU ID	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30728.5	trap-30728-aucCurrentValue	DisplayString	Current value	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30728.6	trap-30728-aucThresholdValue	DisplayString	Threshold value	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30728.7	trap-30728-aucUnitStr	DisplayString	Unit	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30728.8	trap-30728-aucSensorName	DisplayString	Sensor name	–	No

3.1.9 Voltage is lower than lower-non-recoverable threshold: 30729

For a description of the alarm, refer to [Table 3-11](#).

Table 3-11 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.3	ucAlarmFlag	Unsigned32	Alarm flag	● 1: alarm on-going ● 2: alarm cleared	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.4	ucRestoreType	Unsigned32	Alarm clearing flag	● 0: null ● 1: cleared normally ● 4: cleared through deletion ● 8: cleared through BMC reboot	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.5	ucAlarmSeverity	Unsigned32	Alarm level	● 1: Critical ● 2: Major ● 3: Unknown ● 4: Minor ● 5: Inform	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.6	dwDeviceType	Unsigned32	Component type	● 0: mainboard ● 1: PSU ● 4: fan ● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
				● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30729.1	trap-30729-ucFruId	Unsigned32	FRU ID	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30729.5	trap-30729-aucCurrentValue	DisplayString	Current value	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30729.6	trap-30729-aucThresholdValue	DisplayString	Threshold value	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30729.7	trap-30729-aucUnitStr	DisplayString	Unit	–	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30729.8	trap-30729-aucSensorName	DisplayString	Sensor name	–	No

3.1.10 Voltage is higher than upper-non-critical threshold: 30730

For a description of the alarm, refer to [Table 3-12](#).

Table 3-12 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm on-going 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC reboot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: fan 64: CPU 65: hard disk	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
				● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	
1.3.6.1.4.1.3902.6 053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6 053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.6 053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6 053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6 053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6 053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6 053.19.1.3.11.2.3 0730.1	trap-30730-ucFruId	Unsigned32	FRU ID	–	No
1.3.6.1.4.1.3902.6 053.19.1.3.11.2.3 0730.5	trap-30730-aucCurrentValue	DisplayString	Current value	–	No
1.3.6.1.4.1.3902.6 053.19.1.3.11.2.3 0730.6	trap-30730-aucThresholdValue	DisplayString	Threshold value	–	No
1.3.6.1.4.1.3902.6 053.19.1.3.11.2.3 0730.7	trap-30730-aucUnitStr	DisplayString	Unit	–	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30730.8	trap-30730-aucSensorName	DisplayString	Sensor name	–	No

3.1.11 Voltage is higher than upper-critical threshold: 30371

For a description of the alarm, refer to [Table 3-13](#).

Table 3-13 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm on-going 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC reboot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: fan	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
				● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30731.1	trap-30731-ucFruId	Unsigned32	FRU ID	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30731.5	trap-30731-aucCurrentValue	DisplayString	Current value	–	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30731.6	trap-30731-aucThresholdValue	DisplayString	Threshold value	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30731.7	trap-30731-aucUnitStr	DisplayString	Unit	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30731.8	trap-30731-aucSensorName	DisplayString	Sensor name	–	No

3.1.12 Voltage is higher than upper-non-recoverable threshold: 30732

For a description of the alarm, refer to [Table 3-14](#).

Table 3-14 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm on-going 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC reboot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
				● 4: Minor ● 5: Inform	
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.6	dwDeviceType	Unsigned32	Component type	● 0: mainboard ● 1: PSU ● 4: fan ● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30732.1	trap-30732-ucFruId	Unsigned32	FRU ID	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30732.5	trap-30732-aucCurrentValue	DisplayString	Current value	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30732.6	trap-30732-aucThresholdValue	DisplayString	Threshold value	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30732.7	trap-30732-aucUnitStr	DisplayString	Unit	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30732.8	trap-30732-aucSensorName	DisplayString	Sensor name	–	No

3.2 CPU Alarm Traps

For CPU alarm traps, refer to [Table 3-15](#).

Table 3-15 CPU Alarm Traps

Alarm Type ID/ Alarm Code	Trap OID	Alarm Name
30736	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30736	CPU utilization exceeds alarm limit.
30765	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30765	CPU Error.
30815	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30815	Host cpu reset event.
30916	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30916	CPU configure error.
30920	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30920	FRB1/BIST Failure.

3.2.1 CPU utilization exceeds alarm limit: 30736

For a description of the alarm, refer to [Table 3-16](#).

Table 3-16 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm on-going 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC reboot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: fan 64: CPU 65: hard disk 66: memory 67: I/O module 68: GPU 69: smart card 70: AI card 71: onboard NIC	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
				72: OCP card 193: device	
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30736.1	trap-30736-ucAlarmLevel	Unsigned32	Alarm level	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30736.2	trap-30736-ucUtilization	Unsigned32	CPU usage	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30736.3	trap-30736-au-Threshold1	Unsigned32	Usage threshold 1	–	–
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30736.4	trap-30736-au-Threshold2	Unsigned32	Usage threshold 2	–	–
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30736.5	trap-30736-au-Threshold3	Unsigned32	Usage threshold 3	–	–

3.2.2 CPU Error: 30765

For a description of the alarm, refer to [Table 3-17](#).

Table 3-17 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.3	ucAlarmFlag	Unsigned32	Alarm flag	● 1: alarm on-going ● 2: alarm cleared	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.4	ucRestoreType	Unsigned32	Alarm clearing flag	● 0: null ● 1: cleared normally ● 4: cleared through deletion ● 8: cleared through BMC reboot	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.5	ucAlarmSeverity	Unsigned32	Alarm level	● 1: Critical ● 2: Major ● 3: Unknown ● 4: Minor ● 5: Inform	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.6	dwDeviceType	Unsigned32	Component type	● 0: mainboard ● 1: PSU ● 4: fan ● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
				70: AI card 71: onboard NIC 72: OCP card 193: device	
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30765.1	trap-30765-ucCpuErrType	Unsigned32	CPU error type	1: fatal CPU error 4: unrecoverable CPU error	No

3.2.3 Host cpu reset event: 30815

For a description of the alarm, refer to [Table 3-18](#).

Table 3-18 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	3: notification	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	● 0: null ● 1: cleared normally ● 4: cleared through deletion ● 8: cleared through BMC reboot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	● 1: Critical ● 2: Major ● 3: Unknown ● 4: Minor ● 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	● 0: mainboard ● 1: PSU ● 4: fan ● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
				72: OCP card 193: device	
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No

3.2.4 CPU configure error: 30916

For a description of the alarm, refer to [Table 3-19](#).

Table 3-19 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm on-going	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
				2: alarm cleared	
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC reboot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: fan 64: CPU 65: hard disk 66: memory 67: I/O module 68: GPU 69: smart card 70: AI card 71: onboard NIC 72: OCP card 193: device	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No

3.2.5 FRB1/BIST Failure: 30920

For a description of the alarm, refer to [Table 3-20](#).

Table 3-20 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm on-going 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC reboot	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.5	ucAlarmSeverity	Unsigned32	Alarm level	● 1: Critical ● 2: Major ● 3: Unknown ● 4: Minor ● 5: Inform	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.6	dwDeviceType	Unsigned32	Component type	● 0: mainboard ● 1: PSU ● 4: fan ● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.19	acAlarmDesc	DisplayString	Alarm description	–	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30920.1	trap-30920-uc-CpuId	Unsigned32	CPU ID	-	No

3.3 Hard Disk Alarm Traps

For hard disk alarm traps, refer to [Table 3-21](#).

Table 3-21 Hard Disk Alarm Traps

Alarm Type ID/ Alarm Code	Trap OID	Alarm Name
5632	1.3.6.1.4.1.3902.6053.19.1.3.11.1.5632	The hard disk used-rate is over threshold.
5797	1.3.6.1.4.1.3902.6053.19.1.3.11.1.5797	The hard disk is abnormal.
5800	1.3.6.1.4.1.3902.6053.19.1.3.11.1.5800	Hard disk offline.
30810	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30810	Hard disk status change.
30843	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30843	Hard disk is missing.
30844	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30844	Hard disk is not accessible.
30857	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30857	Hard disk temperature is higher than major threshold.
30860	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30860	Hard disk has predictive failure.
30911	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30911	Nvme link is abnormal.
30912	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30912	Nvme has failure.
30918	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30918	The hard disk has foreign configuration.

3.3.1 The hard disk used-rate is over threshold: 5632

For a description of the alarm, refer to [Table 3-22](#).

Table 3-22 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.3	ucAlarmFlag	Unsigned32	Alarm flag	● 1: alarm ongoing ● 2: alarm cleared	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.4	ucRestoreType	Unsigned32	Alarm clearing flag	● 0: null ● 1: cleared normally ● 4: cleared through deletion ● 8: cleared through BMC re-boot	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.5	ucAlarmSeverity	Unsigned32	Alarm level	● 1: Critical ● 2: Major ● 3: Unknown ● 4: Minor ● 5: Inform	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.6	dwDeviceType	Unsigned32	Component type	● 0: mainboard ● 1: PSU ● 4: fan ● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.5632.1	trap-5632-acIde Name	DisplayString	Mount directory	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.5632.2	trap-5632-ucLevel	Unsigned32	Hard disk full alarm level	● Hard disk full alarm threshold (level 1) ● Hard disk full alarm threshold (level 2) ● Hard disk full alarm threshold (level 3)	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.5632.3	trap-5632-ucIde Rate	Unsigned32	Hard disk usage	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.5632.4	trap-5632-ucIde Threshold1	Unsigned32	Level-1 threshold of the usage	–	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.2.5632.5	trap-5632-ucIde Threshold2	Unsigned32	Level-2 threshold of the usage	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.5632.6	trap-5632-ucIde Threshold3	Unsigned32	Level-3 threshold of the usage	–	No

3.3.2 The hard disk is abnormal: 5797

For a description of the alarm, refer to [Table 3-23](#).

Table 3-23 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm on-going 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC reboot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.6	dwDeviceType	Unsigned32	Component type	● 0: mainboard ● 1: PSU ● 4: fan ● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .2.5797.1	trap-5797-ucldcLocation	Unsigned32	Hard disk location	–	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.2.5797.2	trap-5797-ucIdeErrReason	Unsigned32	Reason for the hard disk failure	● 0: unknown ● 1: no hard disk ● 2: SMART error ● 3: unobtainable SMART ● 4: early warning for the SMART indicator beyond the limit ● 5: early warning for life ● 6: too high ambient temperature ● 7: alarm for life ● 8: hard disk error	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.5797.3	trap-5797-ucZone	Unsigned32	Alarmed slot area	● 0: null ● 1: front panel ● 2: rear panel ● 3: system	No

3.3.3 Hard disk offline: 5800

For a description of the alarm, refer to [Table 3-24](#).

Table 3-24 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm ongoing 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC reboot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: fan 64: CPU 65: hard disk 66: memory 67: I/O module 68: GPU 69: smart card 70: AI card 71: onboard NIC 72: OCP card 193: device	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.5800.1	trap-5800-ucIde Location	Unsigned32	Alarmed slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.5800.2	trap-5800-ucZone	Unsigned32	Alarmed slot area	● 0: null ● 1: front panel ● 2: rear panel ● 3: system	No

3.3.4 Hard disk status change: 30810

For a description of the alarm, refer to [Table 3-25](#).

Table 3-25 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	3: notification	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	● 0: null ● 1: cleared normally ● 4: cleared through deletion ● 8: cleared through BMC reboot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	● 1: Critical ● 2: Major ● 3: Unknown ● 4: Minor ● 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	● 0: mainboard ● 1: PSU ● 4: fan ● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30810.1	trap-30810-ucDiskstatus	Unsigned32	Hard disk status	● 1: present ● 2: absent	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30810.2	trap-30810-ucDiskLocation	Unsigned32	Slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30810.3	trap-30810-ucZone	Unsigned32	Slot area	● 0: null ● 1: front panel ● 2: rear panel ● 3: system	No

3.3.5 Hard disk is missing: 30843

For a description of this alarm, refer to [Table 3-26](#).

Table 3-26 Hard disk is missing

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm ongoing 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC reboot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: fan 64: CPU 65: hard disk 66: memory 67: I/O module 68: GPU 69: smart card 70: AI card 71: onboard NIC 72: OCP card 193: device	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30843.1	trap-30843-ucld eLocation	Unsigned32	Device number	–	No

3.3.6 Hard disk is not accessible: 30844

For a description of this alarm, refer to [Table 3-27](#).

Table 3-27 Hard disk is not accessible

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm on-going 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
				● 4: cleared through deletion ● 8: cleared through BMC reboot	
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	● 1: Critical ● 2: Major ● 3: Unknown ● 4: Minor ● 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	● 0: mainboard ● 1: PSU ● 4: fan ● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30844.1	trap-30844-disk Slot	Unsigned32	Device number	–	No

3.3.7 Hard disk temperature is higher than major threshold: 30857

For a description of the alarm, refer to [Table 3-28](#).

Table 3-28 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm on-going 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC reboot	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	● 1: Critical ● 2: Major ● 3: Unknown ● 4: Minor ● 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	● 0: mainboard ● 1: PSU ● 4: fan ● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	-	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	-	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30857.1	trap-30857-ucIdeLocation	Unsigned32	Hard disk location	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30857.2	trap-30857-ucIdeErrReason	Unsigned32	Reason for the abnormal hard disk	● 0: unknown ● 1: no hard disk ● 2: SMART error ● 3: no SMART data available ● 4: early warning for the SMART indicator beyond the limit ● 5: early warning for service life ● 6: over-temperature ● 7: alarm for service life ● 8: hard disk error	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30857.3	trap-30857-ucZone	Unsigned32	Alarmed slot zone	● 0: null ● 1: front panel ● 2: rear panel ● 3: system	No

3.3.8 Hard disk has predictive failure: 30860

For a description of the alarm, refer to [Table 3-29](#).

Table 3-29 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm on-going 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC reboot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: fan 64: CPU 65: hard disk 66: memory 67: I/O module 68: GPU 69: smart card 70: AI card 71: onboard NIC	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
				72: OCP card 193: device	
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	-	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30860.1	trap-30860--ucIdeLocation	Unsigned32	Hard disk location	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30860.2	trap-30860-ucIdeErrReason	Unsigned32	Reason for the hard disk error	0: unknown. 12: The remaining life of the NVMe SSD is insufficient. 13: The hard disk status is abnormal. 14: A SMART parameter value of the hard disk ex-	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
				ceeds the threshold.	
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30860.3	trap-30860-uc-Zone	Unsigned32	Alarmed slot area	0: null 1: front panel 2: rear panel 3: system	No

3.3.9 Nvme link is abnormal: 30911

For a description of the alarm, refer to [Table 3-30](#).

Table 3-30 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm on-going 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC reboot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.6	dwDeviceType	Unsigned32	Component type	● 0: mainboard ● 1: PSU ● 4: fan ● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902 .6053.19.1.3.11. 2.30911.1	trap-30911-ucld eLocation	Unsigned32	Nvme location	–	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30911.2	trap-30911-ucZone	Unsigned32	Nvme zone	0: null 1: front panel 2: rear panel 3: system	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30911.3	trap-30911-ucType	Unsigned32	Nvme Type	0: NVME 1: AIC	No

3.3.10 Nvme has failure: 30912

For a description of the alarm, refer to [Table 3-31](#).

Table 3-31 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm on-going 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC reboot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.6	dwDeviceType	Unsigned32	Component type	● 0: mainboard ● 1: PSU ● 4: fan ● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902 .6053.19.1.3.11. 2.30912.1	trap-30912-ucId eLocation	Unsigned32	Nvme location	–	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30912.2	trap-30912-ucZone	Unsigned32	Nvme zone	0: null 1: front panel 2: rear panel 3: system	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30912.3	trap-30912-ucType	Unsigned32	Nvme Type	0: NVME 1: AIC	No

3.3.11 The hard disk has foreign configuration: 30918

For a description of the alarm, refer to [Table 3-32](#).

Table 3-32 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm on-going 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC reboot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.6	dwDeviceType	Unsigned32	Component type	● 0: mainboard ● 1: PSU ● 4: fan ● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .2.30918.1	trap-30918-ucld eLocation	Unsigned32	Hard disk location	–	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30918.2	trap-30918-ucIdeErrReason	Unsigned32	Reason for the hard disk failure	0: unknown 17: the hard disk has foreign configuration	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30918.3	trap-30918-ucZone	Unsigned32	Alarmed slot area	0: null 1: front panel 2: rear panel 3: system	No

3.4 Board Alarm Traps

For board alarm traps, refer to [Table 3-33](#).

Table 3-33 Board Alarm Traps

Alarm Type ID/ Alarm Code	Trap OID	Alarm Name
5801	1.3.6.1.4.1.3902.6053.19.1.3.11.1.5801	Virtual disk is abnormal.
5802	1.3.6.1.4.1.3902.6053.19.1.3.11.1.5802	RAID card is abnormal.
30752	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30752	NIC port link state is down.
30768	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30768	The server PCIe error was detected.
30832	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30832	PCIe scan failed.
30833	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30833	PCIe correctable error.
30834	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30834	PCIe correctable error inform.
30840	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30840	PCIe topology changed.
30841	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30841	automatic apply new PCIe topology config.
30842	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30842	PCIe device is equipped error.

3.4.1 Virtual disk is abnormal: 5801

For a description of the alarm, refer to [Table 3-34](#).

Table 3-34 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.3	ucAlarmFlag	Unsigned32	Alarm flag	● 1: alarm ongoing ● 2: alarm cleared	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.4	ucRestoreType	Unsigned32	Alarm clearing flag	● 0: null ● 1: cleared normally ● 4: cleared through deletion ● 8: cleared through BMC reboot	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.5	ucAlarmSeverity	Unsigned32	Alarm level	● 1: Critical ● 2: Major ● 3: Unknown ● 4: Minor ● 5: Inform	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.6	dwDeviceType	Unsigned32	Component type	● 0: mainboard ● 1: PSU ● 4: fan ● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.5801.1	trap-5801-ucCtrlIndex	Unsigned32	Controller index	255: unknown	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.5801.2	trap-5801-ucLDIndex	Unsigned32	Logical disk index	255: unknown	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.5801.3	trap-5801-ucRaidErrReason	Unsigned32	Reason for the abnormal RAID	7: non-synchronous degradation 8: fault	No

3.4.2 RAID card is abnormal: 5802

For a description of the alarm, refer to [Table 3-35](#).

Table 3-35 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6 053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6 053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6 053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm on-going 2: alarm cleared	No
1.3.6.1.4.1.3902.6 053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC reboot	No
1.3.6.1.4.1.3902.6 053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No
1.3.6.1.4.1.3902.6 053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: fan 64: CPU 65: hard disk 66: memory 67: I/O module 68: GPU 69: smart card 70: AI card 71: onboard NIC 72: OCP card	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
				● 193: device	
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.5802.1	trap-5802-ucCtrlIndex	Unsigned32	Controller index	255: unknown	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.5802.2	trap-5802-ucCtrlFaultReason	Unsigned32	Reason for the abnormal RAID card	● 1: high BBU temperature ● 2: low BBU voltage ● 3: fatal PCIe error ● 4: controller temperature beyond the threshold ● 5: unrecoverable PCIe error	No

3.4.3 NIC port link state is down: 30752

For a description of the alarm, refer to [Table 3-36](#).

Table 3-36 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm ongoing 2: alarm cleared	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC re-boot	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: fan 64: CPU 65: hard disk 66: memory 67: I/O module 68: GPU 69: smart card 70: AI card 71: onboard NIC 72: OCP card 193: device	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30752.1	trap-30752-ucEthId	Unsigned32	Network interface ID	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30752.3	trap-30752-ucLocation	Unsigned32	Network interface location	–	No

3.4.4 PCIe error: 30768

For a description of the alarm, refer to [Table 3-37](#).

Table 3-37 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm ongoing 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC re-boot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: fan 64: CPU 65: hard disk 66: memory 67: I/O module 68: GPU 69: smart card 70: AI card 71: onboard NIC 72: OCP card 193: device	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30768.1	trap-30768-ucDevType	Unsigned32	Device type	● 1: onboard storage ● 2: onboard NIC ● 3: onboard video card ● 252: M.2 SSD ● 253: backplane ● 254: self-developed subcard ● 255: standard card ● 38: OCP	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30768.2	trap-30768-ucDevIndex	Unsigned32	Device ID	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30768.3	trap-30768-ucErrorType	Unsigned32	PCIe error type	● 1: fatal error ● 2: unrecoverable error	No

3.4.5 PCIe scan failed: 30832

For a description of the alarm, refer to [Table 3-38](#).

Table 3-38 Alarm Description

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm ongoing 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC re-boot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: fan 64: CPU 65: hard disk 66: memory 67: I/O module 68: GPU 69: smart card 70: AI card 71: onboard NIC 72: OCP card 193: device	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30832.1	trap-30832-ucPcieSlot	Unsigned32	PCIe slot	–	No

3.4.6 PCIe correctable error: 30833

For a description of the alarm, refer to [Table 3-39](#).

Table 3-39 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm ongoing 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
				8: cleared through BMC reboot	
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: fan 64: CPU 65: hard disk 66: memory 67: I/O module 68: GPU 69: smart card 70: AI card 71: onboard NIC 72: OCP card 193: device	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30833.1	trap-30833-ucDevType	Unsigned32	Device type	1: onboard storage 2: onboard NIC 3: onboard video card 252: M.2 SSD 253: backplane 254: self-developed subcard 255: standard card 38: OCP card	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30833.2	trap-30833-ucDevIndex	Unsigned32	Device ID	–	No

3.4.7 PCIe correctable error: 30834

For a description of the alarm, refer to [Table 3-40](#).

Table 3-40 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	3: notification	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
				● 2: cleared through deletion ● 8: cleared through BMC reboot	
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.5	ucAlarmSeverity	Unsigned32	Alarm level	● 1: Critical ● 2: Major ● 3: Unknown ● 4: Minor ● 5: Inform	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.6	dwDeviceType	Unsigned32	Component type	● 0: mainboard ● 1: PSU ● 4: fan ● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCF card ● 193: device	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30834.1	trap-30834-ucDevType	Unsigned32	Device type	1: onboard storage 2: onboard NIC 3: onboard video card 252: M.2 SSD 253: backplane 254: self-developed subcard 255: standard card 38: OCP card	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30834.2	trap-30834-ucDevIndex	Unsigned32	Device ID	–	No

3.4.8 PCIe topology changed: 30840

For a description of the alarm, refer to [Table 3-41](#).

Table 3-41 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm ongoing 2: alarm cleared	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	● 0: null ● 1: cleared normally ● 4: cleared through deletion ● 8: cleared through BMC re-boot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	● 1: Critical ● 2: Major ● 3: Unknown ● 4: Minor ● 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	● 0: mainboard ● 1: PSU ● 4: fan ● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No

3.4.9 automatic apply new PCIe topology config: 30841

For a description of the alarm, refer to [Table 3-42](#).

Table 3-42 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	3: notification	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC re-boot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: fan	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
				● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No

3.4.10 PCIe device is equipped error: 30842

For a description of this alarm, refer to [Table 3-43](#).

Table 3-43 PCIe device is equipped error

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm ongoing 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC reboot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: fan 64: CPU 65: hard disk 66: memory 67: I/O module 68: GPU 69: smart card 70: AI card 71: onboard NIC 72: OCP card 193: device	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30842.1	trap-30842-ucPcieSlot	Unsigned32	Device number	–	No

3.5 Fan Alarm Traps

For fan alarm traps, refer to [Table 3-44](#).

Table 3-44 Fan Alarm Traps

Alarm Type ID/ Alarm Code	Trap OID	Alarm Name
23050	1.3.6.1.4.1.3902.6053.19.1.3.11.1.23050	Fan device absent.
30734	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30734	Velocity of fan is lower than lower-critical threshold.
30745	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30745	Velocity of fan is lower than lower-non-critical threshold.
30746	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30746	Velocity of fan is lower than lower-non-recoverable threshold.
30847	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30747	Fantray fully redundant state inform.
30848	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30748	Fantray redundancy lost alarm.
30864	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30864	Fan speed status abnormal alarm

3.5.1 Fan device absent: 23050

For a description of the alarm, refer to [Table 3-45](#).

Table 3-45 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:M-M:SS	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.3	ucAlarmFlag	Unsigned32	Alarm flag	● 1: alarm ongoing ● 2: alarm cleared	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.4	ucRestoreType	Unsigned32	Alarm clearing flag	● 0: null ● 1: cleared normally ● 4: cleared through deletion ● 8: cleared through BMC reboot	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.5	ucAlarmSeverity	Unsigned32	Alarm level	● 1: Critical ● 2: Major ● 3: Unknown ● 4: Minor ● 5: Inform	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.6	dwDeviceType	Unsigned32	Component type	● 0: mainboard ● 1: PSU ● 4: fan ● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:M-M:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.23050.1	trap-23050-ucFruId	Unsigned32	FRU ID	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.23050.3	trap-23050-ucGeneric8Offset	Unsigned32	General event status (8)	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.23050.5	trap-23050-aucSensorName	DisplayString	Sensor name	–	No

3.5.2 Velocity of fan is lower than lower-critical threshold: 30734

For a description of the alarm, refer to [Table 3-46](#).

Table 3-46 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.3	ucAlarmFlag	Unsigned32	Alarm flag	● 1: alarm ongoing ● 2: alarm cleared	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.4	ucRestoreType	Unsigned32	Alarm clearing flag	● 0: null ● 1: cleared normally ● 4: cleared through deletion ● 8: cleared through BMC re-boot	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.5	ucAlarmSeverity	Unsigned32	Alarm level	● 1: Critical ● 2: Major ● 3: Unknown ● 4: Minor ● 5: Inform	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.6	dwDeviceType	Unsigned32	Component type	● 0: mainboard ● 1: PSU ● 4: fan ● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30734.1	trap-30734-ucFruId	Unsigned32	FRU ID	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30734.5	trap-30734-aucCurrentValue	DisplayString	Current value	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30734.6	trap-30734-aucThresholdValue	DisplayString	Threshold value	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30734.7	trap-30734-aucUnitStr	DisplayString	Unit	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30734.8	trap-30734-aucSensorName	DisplayString	Sensor name	–	No

3.5.3 Velocity of fan is lower than lower-non-critical threshold: 30745

For a description of the alarm, refer to [Table 3-47](#).

Table 3-47 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm ongoing 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC reboot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: fan 64: CPU 65: hard disk 66: memory 67: I/O module 68: GPU 69: smart card 70: AI card 71: onboard NIC 72: OCP card 193: device	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:M-M:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30745.1	trap-30745-ucFruId	Unsigned32	FRU ID	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30745.5	trap-30745-aucCurrentValue	DisplayString	Current value	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30745.6	trap-30745-aucThresholdValue	DisplayString	Threshold value	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30745.7	trap-30745-aucUnitStr	DisplayString	Unit	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30745.8	trap-30745-aucSensorName	DisplayString	Sensor name	–	No

3.5.4 Velocity of fan is lower than lower-non-recoverable threshold: 30746

For a description of the alarm, refer to [Table 3-48](#).

Table 3-48 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm ongoing 2: alarm cleared	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC re-boot	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: fan 64: CPU 65: hard disk 66: memory 67: I/O module 68: GPU 69: smart card 70: AI card 71: onboard NIC 72: OCP card 193: device	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30746.1	trap-30746-ucFruId	Unsigned32	FRU ID	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30746.5	trap-30746-aucCurrentValue	DisplayString	Current value	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30746.6	trap-30746-aucThresholdValue	DisplayString	Threshold value	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30746.7	trap-30746-aucUnitStr	DisplayString	Unit	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30746.8	trap-30728-aucSensorName	DisplayString	Sensor name	–	No

3.5.5 Fantray fully redundant state inform: 30847

For a description of this alarm, refer to [Table 3-49](#).

Table 3-49 Fantray fully redundant state inform

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	3: notification	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC re-boot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: fan 64: CPU 65: hard disk 66: memory 67: I/O module 68: GPU 69: smart card 70: AI card 71: onboard NIC 72: OCP card 193: device	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30847.1	trap-30847-ucStatus	Unsigned32	Event status	● 0: alarm cleared ● 1: alarm ongoing	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30847.8	trap-30847-aucSensorName	DisplayString	Sensor name	–	No

3.5.6 Fantray redundancy lost alarm: 30848

For a description of this alarm, refer to [Table 3-50](#).

Table 3-50 Fantray redundancy lost alarm

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm ongoing 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC re-boot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: fan 64: CPU 65: hard disk 66: memory 67: I/O module 68: GPU 69: smart card 70: AI card 71: onboard NIC 72: OCP card 193: device	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30848.1	trap-30848-ucStatus	Unsigned32	Event status	● 0: alarm cleared ● 1: alarm ongoing	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30848.8	trap-30848-aucSensorName	DisplayString	Sensor name	–	No

3.5.7 Fan speed status abnormal alarm: 30864

For a description of this alarm, refer to [Table 3-51](#).

Table 3-51 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	● 1: alarm ongoing ● 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	● 0: null ● 1: cleared normally ● 4: cleared through deletion	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
				8: cleared through BMC re-boot	
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: fan 64: CPU 65: hard disk 66: memory 67: I/O module 68: GPU 69: smart card 70: AI card 71: onboard NIC 72: OCP card 193: device	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No

3.6 Power Supply Alarm Traps

For power supply alarm traps, refer to [Table 3-52](#).

Table 3-52 Power Supply Alarm Traps

Alarm Type ID/ Alarm Code	Trap OID	Alarm Name
23051	1.3.6.1.4.1.3902.6053.19.1.3.11.1.23051	Power unit absent.
30756	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30756	Power major fault.
30758	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30758	Power minor fault.
30787	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30787	Server is powered on.
30790	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30790	Server is powered off.
30791	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30791	Power module status change.
30849	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30849	PSU fully redundant state inform.
30850	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30850	PSU redundancy degraded alarm.
30851	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30851	PSU redundancy lost alarm.
30880	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30880	Abnormal PSU output alarm
30881	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30881	PSU fan predictive failure alarm.

3.6.1 Power unit absent: 23051

For a description of the alarm, refer to [Table 3-53](#).

Table 3-53 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm ongoing 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC re-boot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: fan 64: CPU 65: hard disk 66: memory 67: I/O module 68: GPU 69: smart card 70: AI card 71: onboard NIC 72: OCP card 193: device	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.23051.1	trap-23051-ucFruId	Unsigned32	FRU ID	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.23051.3	trap-23051-ucGeneric8Offset	Unsigned32	General event status (8)	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.23051.5	trap-23051-ucSensorName	DisplayString	Sensor name	–	No

3.6.2 Power major fault: 30756

For a description of the alarm, refer to [Table 3-54](#).

Table 3-54 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm ongoing 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
				● 4: cleared through deletion ● 8: cleared through BMC re-boot	
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	● 1: Critical ● 2: Major ● 3: Unknown ● 4: Minor ● 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	● 0: mainboard ● 1: PSU ● 4: fan ● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30756.1	trap-30756-ucAlarmReason	Unsigned32	Reason for the major power supply alarm	● 24: high temperature ● 87: Fan 2 fault ● 88: Fan 1 fault ● 117: major output undercurrent ● 120: major output overcurrent ● 125: major output undervoltage ● 128: major output overvoltage ● 109: major input undervoltage ● 112: major input overvoltage ● 137: power supplyModule fault	No

3.6.3 Power minor fault: 30758

For a description of the alarm, refer to [Table 3-55](#).

Table 3-55 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	● 1: alarm ongoing ● 2: alarm cleared	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	● 0: null ● 1: cleared normally ● 4: cleared through deletion ● 8: cleared through BMC re-boot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	● 1: Critical ● 2: Major ● 3: Unknown ● 4: Minor ● 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	● 0: mainboard ● 1: PSU ● 4: fan ● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30758.1	trap-30758-ucAlarmIndex	Unsigned32	Reason for the minor power supply alarm	● 23: Overtemperature ● 83: Fan 2 is set to a higher speed ● 84: Fan 1 is set to a higher speed ● 110: minor input undervoltage ● 111: minor input overvoltage ● 118: minor output overcurrent ● 126: minor output undervoltage ● 127: minor output overvoltage	No

3.6.4 Server is powered on: 30787

For a description of the alarm, refer to [Table 3-56](#).

Table 3-56 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	3: notification	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC re-boot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: fan 64: CPU 65: hard disk 66: memory 67: I/O module 68: GPU 69: smart card 70: AI card 71: onboard NIC 72: OCP card 193: device	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No

3.6.5 Server is powered off: 30790

For a description of the alarm, refer to [Table 3-57](#).

Table 3-57 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:M-M:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	3: notification	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	● 0: null ● 1: cleared normally ● 4: cleared through deletion ● 8: cleared through BMC reboot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	● 1: Critical ● 2: Major ● 3: Unknown ● 4: Minor	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
				● 5: Inform	
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	● 0: mainboard ● 1: PSU ● 4: fan ● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:M-M:SS	No

3.6.6 Power module status change: 30791

For a description of the alarm, refer to [Table 3-58](#).

Table 3-58 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.3	ucAlarmFlag	Unsigned32	Alarm flag	3: notification	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.4	ucRestoreType	Unsigned32	Alarm clearing flag	● 0: null ● 1: cleared normally ● 4: cleared through deletion ● 8: cleared through BMC re-boot	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.5	ucAlarmSeverity	Unsigned32	Alarm level	● 1: Critical ● 2: Major ● 3: Unknown ● 4: Minor ● 5: Inform	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.6	dwDeviceType	Unsigned32	Component type	● 0: mainboard ● 1: PSU ● 4: fan ● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30791.1	trap-30791-ucFruId	Unsigned32	FRU ID	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30791.3	trap-30791-ucGeneric8Offset	Unsigned32	General event status (8)	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30791.5	trap-30791-aucSensorName	DisplayString	Sensor name	–	No

3.6.7 PSU fully redundant state inform: 30849

For a description of this alarm, refer to [Table 3-59](#).

Table 3-59 PSU fully redundant state inform

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:M-M:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	3: notification	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	● 0: null ● 1: cleared normally ● 4: cleared through deletion ● 8: cleared through BMC reboot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	● 1: Critical ● 2: Major ● 3: Unknown ● 4: Minor ● 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	● 0: mainboard ● 1: PSU ● 4: fan ● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:M-M:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30849.1	trap-30849-ucStatus	Unsigned32	Status	● 0: alarm cleared ● 1: alarm ongoing	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30849.2	trap-30849-aucSensorName	DisplayString	Sensor Name	–	No

3.6.8 PSU redundancy degraded alarm: 30850

For a description of this alarm, refer to [Table 3-60](#).

Table 3-60 PSU redundancy degraded alarm

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:M-M:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm ongoing 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC reboot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: fan 64: CPU 65: hard disk 66: memory 67: I/O module 68: GPU 69: smart card 70: AI card 71: onboard NIC 72: OCP card 193: device	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:M-M:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30850.1	trap-30850-ucStatus	Unsigned32	Status	● 0: alarm cleared ● 1: alarm ongoing	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30850.2	trap-30850-aucSensorName	DisplayString	Sensor Name	–	No

3.6.9 PSU redundancy lost alarm: 30851

For a description of this alarm, refer to [Table 3-61](#).

Table 3-61 PSU redundancy lost alarm

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:M-M:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	● 1: alarm ongoing ● 2: alarm cleared	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC reboot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: fan 64: CPU 65: hard disk 66: memory 67: I/O module 68: GPU 69: smart card 70: AI card 71: onboard NIC 72: OCP card 193: device	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 2	–	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:M-M:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30851.1	trap-30851-ucStatus	Unsigned32	Status	● 0: alarm cleared ● 1: alarm ongoing	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30851.2	trap-30851-ucSensorName	DisplayString	Sensor Name	–	No

3.6.10 Abnormal PSU Output alarm: 30880

For a description of this alarm, refer to [Table 3-62](#).

Table 3-62 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:M-M:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	● 1: alarm ongoing ● 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	● 0: null ● 1: cleared normally ● 4: cleared through deletion ● 8: cleared through BMC reboot	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.5	ucAlarmSeverity	Unsigned32	Alarm level	● 1: Critical ● 2: Major ● 3: Unknown ● 4: Minor ● 5: Inform	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.6	dwDeviceType	Unsigned32	Component type	● 0: mainboard ● 1: PSU ● 4: fan ● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.14	dwCrcCode3	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:M-M:SS	No

3.6.11 PSU Fan Predictive Failure Alarm: 30881

For a description of this alarm, refer to [Table 3-63](#).

Table 3-63 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:M-M:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	● 1: alarm ongoing ● 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	● 0: null ● 1: cleared normally ● 4: cleared through deletion ● 8: cleared through BMC reboot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	● 1: Critical ● 2: Major ● 3: Unknown ● 4: Minor ● 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	● 0: mainboard ● 1: PSU ● 4: fan ● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:M-M:SS	No

3.7 Memory Alarm Traps

For memory alarm traps, refer to [Table 3-64](#).

Table 3-64 Memory Alarm Traps

Alarm Type ID/ Alarm Code	Trap OID	Alarm Name
30737	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30737	Memory utilization exceeds alarm limit.
30759	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30759	Fault memory isolation.
30772	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30772	Correctable memory error.
30773	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30773	Uncorrectable memory error.
30835	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30835	Correctable memory error.
30774	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30774	Correctable error limit reached.
30865	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30865	Memory temperature above major threshold alarm.

Alarm Type ID/ Alarm Code	Trap OID	Alarm Name
30890	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30890	Correctable ECC error minor alarm limit reached.
30891	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30891	Correctable ECC error minor alarm limit reached.

3.7.1 Memory utilization exceeds alarm limit: 30737

For a description of the alarm, refer to [Table 3-65](#).

Table 3-65 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm ongoing 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC re-boot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: fan 64: CPU 65: hard disk	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
				● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902 .6053.19.1.3.11. 2.30737.1	trap-30737-ucAlarmLevel	Unsigned32	Alarm level	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11. 2.30737.2	trap-30737-ucUtilization	Unsigned32	Memory usage	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11. 2.30737.3	trap-30737-au-Threshold1	Unsigned32	Usage threshold 1	–	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30737.4	trap-30737-au-Threshold2	Unsigned32	Usage threshold 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30737.5	trap-30737-au-Threshold3	Unsigned32	Usage threshold 3	–	No

3.7.2 Fault Memory Isolation: 30759

For a description of the alarm, refer to [Table 3-66](#).

Table 3-66 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm ongoing 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC re-boot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: fan	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
				● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30759.2	trap-30759-ucMemoryLocation	Unsigned32	Memory location	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30759.3	trap-30759-ucSlotId	Unsigned32	Memory card location	–	No

3.7.3 Correctable memory error: 30772

For a description of the alarm, refer to [Table 3-67](#).

Table 3-67 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm ongoing 2: alarm cleared	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC re-boot	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: fan 64: CPU 65: hard disk 66: memory 67: I/O module 68: GPU 69: smart card 70: AI card 71: onboard NIC 72: OCP card 193: device	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30772.2	trap-30772-ucMemoryLocation	Unsigned32	Memory location	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30772.3	trap-30772-ucSlotId	Unsigned32	Memory card location	–	No

3.7.4 Uncorrectable memory error: 30773

For a description of the alarm, refer to [Table 3-68](#).

Table 3-68 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:M-M:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm ongoing 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC reboot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: fan 64: CPU 65: hard disk 66: memory 67: I/O module 68: GPU 69: smart card 70: AI card 71: onboard NIC 72: OCP card 193: device	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:M-M:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30773.2	trap-30773-ucMemoryLocation	Unsigned32	Memory location	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30773.3	trap-30773-ucSlotId	Unsigned32	Memory card location	–	No

3.7.5 Correctable memory error: 30835

For a description of the alarm, refer to [Table 3-69](#).

Table 3-69 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	3: notification	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	● 0: null ● 1: cleared normally ● 4: cleared through deletion ● 8: cleared through BMC re-boot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	● 1: Critical ● 2: Major ● 3: Unknown ● 4: Minor ● 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	● 0: mainboard ● 1: PSU ● 4: fan ● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30835.2	trap-30835-ucMemoryLocation	Unsigned32	Memory location	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30835.3	trap-30835-ucSlotId	Unsigned32	Memory card location	–	No

3.7.6 Correctable error limit reached: 30774

For a description of the alarm, refer to [Table 3-70](#).

Table 3-70 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	3: notification	no
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	● 0: null ● 1: cleared normally ● 4: cleared through deletion ● 8: cleared through BMC reboot	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	● 1: Critical ● 2: Major ● 3: Unknown ● 4: Minor ● 5: Inform	no
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	● 0: mainboard ● 1: PSU ● 4: fan ● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	no
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	-	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	-	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30774.2	trap-30774-ucMemoryLocation	Unsigned32	Memory index	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30774.3	trap-30774-ucSlotId	Unsigned32	Memory card location	-	no

3.7.7 Memory temperature above major threshold alarm: 30865

For a description of the alarm, refer to [Table 3-71](#).

Table 3-71 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm on-going 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC reboot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
				● 4: Minor ● 5: Inform	
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.6	dwDeviceType	Unsigned32	Component type	● 0: mainboard ● 1: PSU ● 4: fan ● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.7	dwDeviceID	Unsigned32	Component slot number	-	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.12	dwCrcCode1	Unsigned32	CRC code 1	-	Yes
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.13	dwCrcCode2	Unsigned32	CRC code 2	-	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.14	dwCrcCode3	Unsigned32	CRC code 3	-	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.19	acAlarmDesc	DisplayString	Alarm description	-	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No

3.7.8 Correctable ECC error minor alarm limit reached: 30890

For a description of the alarm, refer to [Table 3-72](#).

Table 3-72 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	yes
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	no
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.3	ucAlarmFlag	Unsigned32	Alarm flag	3: notification	no
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC reboot	no
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	no
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: fan 64: CPU 65: hard disk 66: memory 67: I/O module 68: GPU 69: smart card 70: AI card	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
				71: onboard NIC 72: OCP card 193: device	
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	-	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30890.2	trap-30890-ucMemoryLocation	Unsigned32	Memory index	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30890.3	trap-30890-ucSlotId	Unsigned32	Memory card location	-	no

3.7.9 Correctable ECC error minor alarm limit reached: 30891

For a description of the alarm, refer to [Table 3-73](#).

Table 3-73 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:M-M:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm ongoing 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC reboot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: fan 64: CPU 65: hard disk 66: memory 67: I/O module 68: GPU 69: smart card 70: AI card 71: onboard NIC 72: OCP card 193: device	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:M-M:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30891.2	trap-30891-ucMemoryLocation	Unsigned32	Memory location	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30891.3	trap-30891-ucSlotId	Unsigned32	Memory card location	–	No

3.8 System Alarm Traps

For system alarm traps, refer to [Table 3-74](#).

Table 3-74 System Alarm Traps

Alarm Type ID/ Alarm Code	Trap OID	Alarm Name
30762	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30762	Server power on failure.
30763	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30763	System Intrusion.
30776	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30776	The total power is higher than threshold.

Alarm Type ID/ Alarm Code	Trap OID	Alarm Name
30777	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30777	System psus are not compatible.
30780	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30780	POST Error.
30781	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30781	MCE Fatal Error.
30782	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30782	MCE Catastrophic Error.
30783	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30783	CPU Predictive Failure Detected.
30786	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30786	Device temperature is higher than major threshold.
30836	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30836	CPU Predictive Failure Detected.
30837	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30837	Services on this server are recommended to be moved out.
30838	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30838	Heat alert.
30839	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30839	ambient temperature read abnormal.
30845	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30845	Watchdog alarm.
30846	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30846	Watchdog inform.
30852	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30852	UID button inform.
30853	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30853	BMC system restart inform.
30854	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30854	Power button inform
30855	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30855	Auto active bios Success
30856	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30856	System boot inform
30859	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30859	Smart Nic Detect Error.
8392707	1.3.6.1.4.1.3902.6053.19.1.3.11.1.8392707	BMC synchronize status change.
30861	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30861	Liquid cooling system is leaking.
30862	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30862	Liquid cooling system is out of service
30866	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30866	System firmware status abnormal alarm
30867	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30867	Abnormal power on alarm
30900	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30900	Waiting Taihang Post Start
30901	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30901	Waiting Taihang Post Success
30902	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30902	SOC Post failed

Alarm Type ID/ Alarm Code	Trap OID	Alarm Name
30903	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30903	BIOS Post failed
30913	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30913	Liquid cooling system but the Liquid-card is not present

3.8.1 Server power on failure: 30762

For a description of the alarm, refer to [Table 3-75](#).

Table 3-75 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm ongoing 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC re-boot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: fan 64: CPU 65: hard disk 66: memory	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
				● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:M-M:SS	No

3.8.2 System Intrusion: 30763

For a description of the alarm, refer to [Table 3-76](#).

Table 3-76 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm ongoing 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC re-boot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: fan 64: CPU 65: hard disk 66: memory 67: I/O module 68: GPU 69: smart card 70: AI card 71: onboard NIC 72: OCP card 193: device	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:M-M:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30763.1	trap-30763-ucIntrusionLocation	Unsigned32	System intrusion location	–	No

3.8.3 The total power is too high: 30776

For a description of the alarm, refer to [Table 3-77](#).

Table 3-77 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm on-going 2: alarm cleared	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	● 0: null ● 1: cleared normally ● 4: cleared through deletion ● 8: cleared through BMC reboot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	● 1: Critical ● 2: Major ● 3: Unknown ● 4: Minor ● 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	● 0: mainboard ● 1: PSU ● 4: fan ● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30776.1	trap-30776-dwCurrentValue	Unsigned32	Current value	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30776.2	trap-30776-dwMaxPower	Unsigned32	Threshold value	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30776.3	trap-30776-aucUnitStr	DisplayString	Unit	–	No

3.8.4 System psus are not compatible: 30777

For a description of the alarm, refer to [Table 3-78](#).

Table 3-78 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm ongoing 2: alarm cleared	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	● 0: null ● 1: cleared normally ● 4: cleared through deletion ● 8: cleared through BMC re-boot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	● 1: Critical ● 2: Major ● 3: Unknown ● 4: Minor ● 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	● 0: mainboard ● 1: PSU ● 4: fan ● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30777.1	trap-30777-aucPem1ManufacturerInfo	DisplayString	Manufacturer (PSU1)	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30777.2	trap-30777-aucPem2ManufacturerInfo	DisplayString	Manufacturer (PSU2)	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30777.3	trap-30777-aucPem3ManufacturerInfo	DisplayString	Manufacturer (PSU3)	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30777.4	trap-30777-aucPem4ManufacturerInfo	DisplayString	Manufacturer (PSU4)	–	No

3.8.5 POST Error: 30780

For a description of the alarm, refer to [Table 3-79](#).

Table 3-79 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm ongoing 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
				● 4: cleared through deletion ● 8: cleared through BMC re-boot	
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	● 1: Critical ● 2: Major ● 3: Unknown ● 4: Minor ● 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	● 0: mainboard ● 1: PSU ● 4: fan ● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30780.1	trap-30780-dwErrType	Unsigned32	POST error type	516: user authentication error 281: CPU configuration detection failure	No

3.8.6 MCE Fatal Error: 30781

For a description of the alarm, refer to [Table 3-80](#).

Table 3-80 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm ongoing 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC re-boot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.6	dwDeviceType	Unsigned32	Component type	● 0: mainboard ● 1: PSU ● 4: fan ● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .2.30781.1	trap-30781-ucCpuld	Unsigned32	CPU ID	–	No

3.8.7 MCE Catastrophic Error: 30782

For a description of the alarm, refer to [Table 3-81](#).

Table 3-81 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.3	ucAlarmFlag	Unsigned32	Alarm flag	● 1: alarm ongoing ● 2: alarm cleared	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.4	ucRestoreType	Unsigned32	Alarm clearing flag	● 0: null ● 1: cleared normally ● 4: cleared through deletion ● 8: cleared through BMC re-boot	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.5	ucAlarmSeverity	Unsigned32	Alarm level	● 1: Critical ● 2: Major ● 3: Unknown ● 4: Minor ● 5: Inform	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.6	dwDeviceType	Unsigned32	Component type	● 0: mainboard ● 1: PSU ● 4: fan ● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30782.1	trap-30782-ucCpuId	Unsigned32	CPU ID	–	No

3.8.8 CPU Predictive Failure Detected: 30783

For a description of the alarm, refer to [Table 3-82](#).

Table 3-82 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm ongoing 2: alarm cleared	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	● 0: null ● 1: cleared normally ● 4: cleared through deletion ● 8: cleared through BMC re-boot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	● 1: Critical ● 2: Major ● 3: Unknown ● 4: Minor ● 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	● 0: mainboard ● 1: PSU ● 4: fan ● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30783.1	trap-30783-ucCpuld	Unsigned32	CPU ID	–	No

3.8.9 Device temperature is higher than major threshold: 30786

For a description of the alarm, refer to [Table 3-83](#).

Table 3-83 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	● 1: alarm ongoing ● 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	● 0: null ● 1: cleared normally ● 4: cleared through deletion ● 8: cleared through BMC re-boot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	● 1: Critical ● 2: Major ● 3: Unknown ● 4: Minor ● 5: Inform	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.6	dwDeviceType	Unsigned32	Component type	● 0: mainboard ● 1: PSU ● 4: fan ● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902 .6053.19.1.3.11. 2.30786.1	trap-30786-dwCurrentValue	Unsigned32	Current value	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11. 2.30786.2	trap-30786-dwThresholdValue	Unsigned32	Threshold value	–	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30786.3	trap-30786-aucUnitStr	DisplayString	Unit	–	No

3.8.10 CPU Predictive Failure Detected 30836

For a description of the alarm, refer to [Table 3-84](#).

Table 3-84 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	3: notification	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC re-boot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: fan 64: CPU 65: hard disk 66: memory	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
				● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30836.1	trap-30836-ucCpuId	Unsigned32	CPU ID	–	No

3.8.11 Services on this server are recommended to be moved out: 30837

For a description of the alarm, refer to [Table 3-85](#).

Table 3-85 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.3	ucAlarmFlag	Unsigned32	Alarm flag	3: notification	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.4	ucRestoreType	Unsigned32	Alarm clearing flag	● 0: null ● 1: cleared normally ● 4: cleared through deletion ● 8: cleared through BMC re-boot	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.5	ucAlarmSeverity	Unsigned32	Alarm level	● 1: Critical ● 2: Major ● 3: Unknown ● 4: Minor ● 5: Inform	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.6	dwDeviceType	Unsigned32	Component type	● 0: mainboard ● 1: PSU ● 4: fan ● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30837.1	trap-30837-seria lNumber	DisplayString	Server serial number	–	No

3.8.12 heat alert: 30838

For a description of the alarm, refer to [Table 3-86](#).

Table 3-86 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm ongoing 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC re-boot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: fan 64: CPU 65: hard disk 66: memory 67: I/O module 68: GPU 69: smart card 70: AI card 71: onboard NIC 72: OCP card 193: device	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:M-M:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30838.1	trap-30838-dwCurrentValue	Unsigned32	Current value	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30838.2	trap-30838-dwThresholdValue	Unsigned32	Threshold value	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30838.3	trap-30838-aucUnitStr	DisplayString	Unit	–	No

3.8.13 ambient temperature read abnormal: 30839

For a description of the alarm, refer to [Table 3-87](#).

Table 3-87 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:M-M:SS	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm ongoing 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC reboot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: fan 64: CPU 65: hard disk 66: memory 67: I/O module 68: GPU 69: smart card 70: AI card 71: onboard NIC 72: OCP card 193: device	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:M-M:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30839.1	trap-30839-dwSensorNumber	DisplayString	Sensor ID	–	No

3.8.14 Watchdog alarm: 30845

For a description of this alarm, refer to [Table 3-88](#).

Table 3-88 Watchdog alarm

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:M-M:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm ongoing 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC reboot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
				● 4: Minor ● 5: Inform	
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	● 0: mainboard ● 1: PSU ● 4: fan ● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	No
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm de- scription	–	No
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:M- M:SS	No

3.8.15 Watchdog inform: 30846

For a description of this alarm, refer to [Table 3-89](#).

Table 3-89 Watchdog inform

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:M-M:SS	No
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	3: notification	No
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	● 0: null ● 1: cleared normally ● 4: cleared through deletion ● 8: cleared through BMC reboot	No
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	● 1: Critical ● 2: Major ● 3: Unknown ● 4: Minor ● 5: Inform	No
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	● 0: mainboard ● 1: PSU ● 4: fan ● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	No
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm de- scription	–	No
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:M- M:SS	No

3.8.16 UID button inform: 30852

For a description of this alarm, refer to [Table 3-90](#).

Table 3-90 UID button inform

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:M- M:SS	No
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	3: notification	No
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clear- ing flag	● 0: null ● 1: cleared normal- ly ● 4: cleared through deletion ● 8: cleared through BMC reboot	No
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	● 1: Critical ● 2: Major ● 3: Unknown ● 4: Minor ● 5: Inform	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	● 0: mainboard ● 1: PSU ● 4: fan ● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	No
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm de- scription	–	No
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:M- M:SS	No
1.3.6.1.4.1.3902.60 53.19.1.3.11.2.3085 2.1	trap-30852-aucS ensorName	DisplayString	Sensor Name	–	No

3.8.17 BMC system restart inform: 30853

For a description of this alarm, refer to [Table 3-91](#).

Table 3-91 BMC system restart inform

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:M-M:SS	No
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	3: notification	No
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	● 0: null ● 1: cleared normally ● 4: cleared through deletion ● 8: cleared through BMC reboot	No
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	● 1: Critical ● 2: Major ● 3: Unknown ● 4: Minor ● 5: Inform	No
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	● 0: mainboard ● 1: PSU ● 4: fan ● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	No
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm de- scription	–	No
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:M- M:SS	No
1.3.6.1.4.1.3902.60 53.19.1.3.11.2.3085 3.1	trap-30853-aucS ensorName	DisplayString	Sensor name	–	No
1.3.6.1.4.1.3902.60 53.19.1.3.11.2.3085 3.2	trap-30853-ucRe setType	Unsigned32	Reboot type	–	No

3.8.18 Power button inform: 30854

For a description of the alarm, refer to [Table 3-92](#).

Table 3-92 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	3: notification	No
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	● 0: null ● 1: cleared nor- mally ● 4: cleared through dele- tion	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
				8: cleared through BMC reboot	
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: Fan 64: CPU 65: hard disk 66: memory 67: I/O module 68: GPU 69: smart card 70: AI card 71: onboard NIC 72: OCP card 193: device	No
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	-	No
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	-	Yes
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	-	No
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	-	No
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	-	No
1.3.6.1.4.1.3902.605 3.19.1.3.11.3.20	tAlarmUTC-Time	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30854.1	trap-30854-aucSensorName	DisplayString	Sensor name	-	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30854.2	trap-30854-ucResetType	Unsigned32	Reboot type	-	No

3.8.19 Auto active bios Success: 30855

For a description of the alarm, refer to [Table 3-93](#).

Table 3-93 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	3: notification	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC reboot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: fan 64: CPU 65: hard disk	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
				66: memory 67: I/O module 68: GPU 69: smart card 70: AI card 71: onboard NIC 72: OCP card 193: device	
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	-	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	Auto Active BIOS Success	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No

3.8.20 System boot inform: 30856

For a description of the alarm, refer to [Table 3-94](#).

Table 3-94 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	3: notification	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC reboot	no
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: fan 64: CPU 65: hard disk 66: memory 67: I/O module 68: GPU 69: smart card 70: AI card 71: onboard NIC	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
				72: OCP card 193: device	
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	-	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30856.1	trap-30856-aucSensorName	DisplayString	Sensor name	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30856.2	trap-30856-ucResetType	Unsigned32	Reboot type	-	No

3.8.21 Smart Nic Detect Error: 30859

For a description of the alarm, refer to [Table 3-95](#).

Table 3-95 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	3: notification	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC reboot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: fan 64: CPU 65: hard disk 66: memory 67: I/O module 68: GPU 69: smart card 70: AI card 71: onboard NIC 72: OCP card 193: device	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	-	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30859.1	trap-30859-slot	Unsigned32	Slot number	-	No

3.8.22 BMC synchronize status change: 8392707

For a description of the alarm, refer to [Table 3-96](#).

Table 3-96 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	3: notification	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	● 1: Critical ● 2: Major ● 3: Unknown ● 4: Minor ● 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	● 0: mainboard ● 1: PSU ● 4: fan ● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	-	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	-	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No

3.8.23 Liquid cooling system is leaking: 30861

For a description of the alarm, refer to [Table 3-97](#).

Table 3-97 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm on-going 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC reboot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.6	dwDeviceType	Unsigned32	Component type	● 0: mainboard ● 1: PSU ● 4: fan ● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.7	dwDeviceID	Unsigned32	Component slot number	-	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.12	dwCrcCode1	Unsigned32	CRC code 1	-	Yes
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.13	dwCrcCode2	Unsigned32	CRC code 2	-	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.14	dwCrcCode3	Unsigned32	CRC code 3	-	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.19	acAlarmDesc	DisplayString	Alarm description	-	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No

3.8.24 Liquid cooling system is out of service: 30862

For a description of the alarm, refer to [Table 3-98](#).

Table 3-98 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm on-going 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC reboot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: fan 64: CPU 65: hard disk 66: memory 67: I/O module 68: GPU 69: smart card 70: AI card 71: onboard NIC	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
				72: OCP card 193: device	
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	-	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No

3.8.25 System firmware status abnormal alarm: 30866

For a description of the alarm, refer to [Table 3-99](#).

Table 3-99 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm on-going	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
				2: alarm cleared	
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC reboot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: fan 64: CPU 65: hard disk 66: memory 67: I/O module 68: GPU 69: smart card 70: AI card 71: onboard NIC 72: OCP card 193: device	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	-	Yes

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No

3.8.26 Abnormal power on alarm: 30867

For a description of the alarm, refer to [Table 3-100](#).

Table 3-100 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm on-going 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC reboot	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	● 1: Critical ● 2: Major ● 3: Unknown ● 4: Minor ● 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	● 0: mainboard ● 1: PSU ● 4: fan ● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	-	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	-	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No

3.8.27 Wating Taihang Post Start: 30900

For a description of the alarm, refer to [Table 3-101](#).

Table 3-101 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.3	ucAlarmFlag	Unsigned32	Alarm flag	3: notification	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC reboot	no
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: fan 64: CPU 65: hard disk	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
				● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	-	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30900.1	trap-30900-slot	Unsigned32	Slot ID	-	No

3.8.28 Wating Taihang Post Success: 30901

For a description of the alarm, refer to [Table 3-102](#).

Table 3-102 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	3: notification	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	● 0: null ● 1: cleared normally ● 4: cleared through deletion ● 8: cleared through BMC reboot	no
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	● 1: Critical ● 2: Major ● 3: Unknown ● 4: Minor ● 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	● 0: mainboard ● 1: PSU ● 4: fan ● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
				72: OCP card 193: device	
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	-	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30901.1	trap-30901-slot	Unsigned32	Slot ID	-	No

3.8.29 SOC Post failed: 30902

For a description of the alarm, refer to [Table 3-103](#).

Table 3-103 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm on-going 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC reboot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: fan 64: CPU 65: hard disk 66: memory 67: I/O module 68: GPU 69: smart card 70: AI card 71: onboard NIC 72: OCP card 193: device	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	-	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	-	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30902.1	trap-30902-slot	Unsigned32	Slot ID	-	No

3.8.30 BIOS Post failed: 30903

For a description of the alarm, refer to [Table 3-104](#).

Table 3-104 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm on-going 2: alarm cleared	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion 8: cleared through BMC reboot	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: fan 64: CPU 65: hard disk 66: memory 67: I/O module 68: GPU 69: smart card 70: AI card 71: onboard NIC 72: OCP card 193: device	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	-	Yes

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30903.1	trap-30903-slot	Unsigned32	Slot ID	-	No

3.8.31 Liquid cooling system but the Liquid-card is not present: 30913

For a description of the alarm, refer to [Table 3-105](#).

Table 3-105 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	3: notification	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
				8: cleared through BMC reboot	
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	1: Critical 2: Major 3: Unknown 4: Minor 5: Inform	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	0: mainboard 1: PSU 4: fan 64: CPU 65: hard disk 66: memory 67: I/O module 68: GPU 69: smart card 70: AI card 71: onboard NIC 72: OCF card 193: device	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	-	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	-	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	-	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No

3.9 Optical Module Alarm Traps

For optical module alarm traps, refer to [Table 3-106](#).

Table 3-106 Optical Module Alarm Traps

Alarm Type ID/Alarm Code	Alarm Trap OID	Alarm Name
30870	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30870	Optical module status abnormal alarm

3.9.1 Optical module status abnormal alarm: 30870

For a description of the alarm, refer to [Table 3-107](#).

Table 3-107 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	1: alarm ongoing 2: alarm cleared	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: cleared normally 4: cleared through deletion	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
				8: cleared through BMC re-boot	
1.3.6.1.4.1.3902.6053.19.1.3.11.3.5	ucAlarmSeverity	Unsigned32	Alarm level	2: Major	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.6	dwDeviceType	Unsigned32	Component type	73: optical module	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.7	dwDeviceID	Unsigned32	Component slot number	For the location of the NIC of the optical module, the leftmost three bits indicate the NIC type. 0: onboard NIC 1: PCIe NIC 2: OCP NIC The rightmost five bits indicate the NIC slot number.	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	The optical module (Location:Embedded/OCP/Slot+Slot number, Port+Port number, Fiber+Optical port number) is unhealthy.	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30870.1	trap-30870-uc-PortId	Unsigned32	Port number of the optical module	Port number of the optical module	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30870.2	trap-30870-cLocation	DisplayString	Location of the NIC of the optical module	Embedded/OCP/Slot+Slot number	No

3.10 Asset Change Notification Trap

For asset change notification traps, refer to [Table 3-108](#).

Table 3-108 Asset Change Notification Traps

Alarm Type ID/Alarm Code	Alarm Trap OID	Alarm Name
30905	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30905	Asset Change Notification.

3.10.1 Asset Change Notification: 30905

For a description of the alarm, refer to [Table 3-109](#).

Table 3-109 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.3	ucAlarmFlag	Unsigned32	Alarm flag	3: notification	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.4	ucRestoreType	Unsigned32	Alarm clearing flag	0: null 1: normal re-stored	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
				● 2: power on re-stored ● 4: deleted re-stored ● 8: BMC reboot restored ● 16: power off re-stored	
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.5	ucAlarmSeverity	Unsigned32	Alarm level	5: Inform	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.6	dwDeviceType	Unsigned32	Component type	● 0: mainboard ● 1: PSU ● 4: fan ● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30905.1	trap-30905-componentSN	DisplayString	SN number	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30905.2	trap-30905-componentModel	Unsigned32	Component model	–	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30905.3	trap-30905-assetChangeType	Unsigned32	Asset change type	● 1: component addition ● 2: component change ● 3: component deletion	No
1.3.6.1.4.1.3902.6053.19.1.3.11.2.30905.4	trap-30905-silkName	DisplayString	Device silk name	–	No

3.11 BIOS Black Box MCE Notification Trap

For BIOS black box MCE notification traps, refer to [Table 3-110](#).

Table 3-110 BIOS Black Box MCE Notification Traps

Alarm Type ID/Alarm Code	Alarm Trap OID	Alarm Name
30907	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30907	A Machine Check Exception occurred recently.

3.11.1 A Machine Check Exception occurred recently: 30907

For a description of the alarm, refer to [Table 3-111](#).

Table 3-111 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.1	dwAlarmID	Unsigned32	Alarm ID	Numbered from 1	Yes
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.2	tAlarmTime	DisplayString	Alarm time	YYYY-MM-DD HH:MM:SS	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.3	ucAlarmFlag	Unsigned32	Alarm flag	3: notification	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.4	ucRestoreType	Unsigned32	Alarm clearing flag	● 0: null ● 1: cleared normally ● 4: cleared through deletion ● 8: cleared through BMC re-boot	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.5	ucAlarmSeverity	Unsigned32	Alarm level	● 1: Critical ● 2: Major ● 3: Unknown ● 4: Minor ● 5: Inform	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.6	dwDeviceType	Unsigned32	Component type	● 0: mainboard ● 1: PSU ● 4: fan ● 64: CPU ● 65: hard disk ● 66: memory ● 67: I/O module ● 68: GPU ● 69: smart card ● 70: AI card ● 71: onboard NIC ● 72: OCP card ● 193: device	No

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.7	dwDeviceID	Unsigned32	Component slot number	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.12	dwCrcCode1	Unsigned32	CRC code 1	–	Yes
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.13	dwCrcCode2	Unsigned32	CRC code 2	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.14	dwCrcCode3	Unsigned32	CRC code 3	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.19	acAlarmDesc	DisplayString	Alarm description	–	No
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	No

Chapter 4

Query of SNMP Traps Based on Module OIDs

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The SNMP traps can be queried based on the [OIDs](#) of modules on a VANTAGEO server. For the tree structure that outlines SNMP traps, refer to [Table 4-1](#).

Table 4-1 Trap Tree Structure

Alarm Type ID/ Alarm Code	Trap OID	Alarm Name
5632	1.3.6.1.4.1.3902.6053.19.1.3.11.1.5632	The hard disk used-rate is over threshold.
5797	1.3.6.1.4.1.3902.6053.19.1.3.11.1.5797	The hard disk is abnormal.
5800	1.3.6.1.4.1.3902.6053.19.1.3.11.1.5800	Hard disk offline.
5801	1.3.6.1.4.1.3902.6053.19.1.3.11.1.5801	Virtual disk is abnormal.
5802	1.3.6.1.4.1.3902.6053.19.1.3.11.1.5802	RAID card is abnormal.
23050	1.3.6.1.4.1.3902.6053.19.1.3.11.1.23050	Fan device absent.
23051	1.3.6.1.4.1.3902.6053.19.1.3.11.1.23051	Power unit absent.

Alarm Type ID/ Alarm Code	Trap OID	Alarm Name
30721	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30721	Temperature is lower than lower-non-critical threshold.
30722	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30722	Temperature is lower than lower-critical threshold.
30723	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30723	Temperature is lower than lower-non-recoverable threshold.
30724	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30724	Temperature is higher than upper-non-critical threshold.
30725	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30725	Temperature is higher than upper-critical threshold.
30726	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30726	Temperature is higher than upper-non-recoverable threshold.
30727	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30727	Voltage is lower than lower-non-critical threshold.
30728	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30728	Voltage is lower than lower-critical threshold.
30729	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30729	Voltage is lower than lower-non-recoverable threshold.
30730	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30730	Voltage is higher than upper-non-critical threshold.
30731	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30731	Voltage is higher than upper-critical threshold.
30732	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30732	Voltage is higher than upper-non-recoverable threshold.
30734	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30734	Velocity of fan is lower than lower-critical threshold.
30736	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30736	CPU utilization exceeds alarm limit.
30737	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30737	Memory utilization exceeds alarm limit.
30745	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30745	Velocity of fan is lower than lower-non-critical threshold.
30746	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30746	Velocity of fan is lower than lower-non-recoverable threshold.

Alarm Type ID/ Alarm Code	Trap OID	Alarm Name
30752	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30752	NIC port link state is down.
30756	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30756	Power major fault
30758	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30758	Power minor fault
30759	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30759	Fault memory isolation
30762	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30762	Server power on failure
30763	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30763	System Intrusion.
30765	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30765	CPU error.
30768	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30768	PCIe error.
30772	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30772	Correctable memory error.
30773	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30773	Uncorrectable memory error.
30774	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30774	Correctable error limit reached
30776	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30776	The total power is higher than threshold.
30777	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30777	System psus are not compatible.
30780	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30780	POST Error.
30781	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30781	MCE Fatal Error.
30782	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30782	MCE Catastrophic Error.
30783	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30783	CPU Predictive Failure Detected.
30786	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30786	Device temperature is higher than major threshold.
30787	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30787	Server is powered on.
30790	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30790	Server is powered off.
30791	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30791	Power module status change.
30810	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30810	Hard disk status change.
30815	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30815	Host cpu reset event.
30832	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30832	PCIe scan failed.
30833	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30833	PCIe correctable error.
30834	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30834	PCIe correctable error.
30835	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30835	Correctable memory error.

Alarm Type ID/ Alarm Code	Trap OID	Alarm Name
30836	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30836	CPU Predictive Failure Detected.
30837	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30837	Services on this server are recommended to be moved out.
30838	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30838	Heat alert.
30839	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30839	ambient temperature read abnormal.
30840	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30840	PCIe topology changed.
30841	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30841	automatic apply new PCIe topology config.
30842	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30842	PCIe device is equipped error.
30843	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30843	Hard disk is missing.
30844	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30844	Hard disk is not accessible.
30845	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30845	Watchdog alarm.
30846	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30846	Watchdog inform.
30847	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30847	Fantray fully redundant state inform.
30848	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30848	Fantray redundancy lost alarm.
30849	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30849	PSU fully redundant state inform.
30850	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30850	PSU redundancy degraded alarm.
30851	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30851	PSU redundancy lost alarm.
30852	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30852	UID button inform.
30853	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30853	BMC system restart inform.
30854	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30854	Power button inform.
30855	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30855	Auto active bios Success
30856	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30856	System boot inform.
30857	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30857	Hard disk temperature is higher than major threshold.
30859	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30859	Smart Nic Detect Error.
30860	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30860	Hard disk has predictive failure.
30861	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30861	Liquid cooling system is leaking.
30862	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30862	Liquid cooling system is out of service

Alarm Type ID/ Alarm Code	Trap OID	Alarm Name
30864	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30864	Fan speed status abnormal alarm
30865	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30865	Memory temperature above major threshold alarm
30866	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30866	System firmware status abnormal alarm
30867	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30867	Abnormal power on alarm
30870	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30870	Optical module status abnormal alarm
30880	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30880	Abnormal PSU Output alarm
30881	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30881	PSU fan predictive failure alarm
30890	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30890	Correctable ECC error minor alarm limit reached.
30891	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30891	Correctable ECC error minor alarm limit reached.
30900	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30900	Waiting Taihang Post Start
30901	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30901	Waiting Taihang Post Success
30902	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30902	SOC Post failed
30903	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30903	BIOS Post failed
30905	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30905	Asset Change Notification.
30907	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30907	A Machine Check Exception occurred recently.
30911	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30911	Nvme link is abnormal.
30912	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30912	Nvme has failure.
30913	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30913	Liquid cooling system but the Liquid-card is not present
30916	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30916	CPU configure error.
30918	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30918	The hard disk has foreign configuration.
30920	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30920	FRB1/BIST Failure.
8392707	1.3.6.1.4.1.3902.6053.19.1.3.11.1.8392707	BMC synchronize status change.

4.1 Temperature and Voltage Sensor Alarm Traps

For temperature and voltage sensor alarm traps, refer to [Table 4-2](#).

Table 4-2 Temperature and Voltage Sensor Alarm Traps

Alarm Type ID/Alarm Code	Alarm Trap OID	Alarm Name
30721	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30721	Temperature is lower than lower-non-critical threshold
30722	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30722	Temperature is lower than lower-critical threshold
30723	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30723	Temperature is lower than lower-non-recoverable threshold
30724	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30724	Temperature is higher than upper-non-critical threshold
30725	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30725	Temperature is higher than upper-critical threshold
30726	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30726	Temperature is higher than upper-non-recoverable threshold
30727	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30727	Voltage is lower than lower-non-critical threshold
30728	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30728	Voltage is lower than lower-critical threshold
30729	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30729	Voltage is lower than lower-non-recoverable threshold
30730	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30730	Voltage is higher than upper-non-critical threshold
30731	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30731	Voltage is higher than upper-critical threshold
30732	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30732	Voltage is higher than upper-non-recoverable threshold

4.1.1 Temperature is lower than lower-non-critical threshold: 30721

For a description of the alarm, refer to [Table 4-3](#).

Table 4-3 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.1.2 Temperature is lower than lower-critical threshold: 30722

For a description of the alarm, refer to [Table 4-4](#).

Table 4-4 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAdditionalForm	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.1.3 Temperature is lower than lower-non-recoverable threshold: 30723

For a description of the alarm, refer to [Table 4-5](#).

Table 4-5 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902 .6053.19.1.3.11 .4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902 .6053.19.1.3.11 .4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902 .6053.19.1.3.11 .4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902 .6053.19.1.3.11 .4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902 .6053.19.1.3.11 .4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902 .6053.19.1.3.11 .4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902 .6053.19.1.3.11 .4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902 .6053.19.1.3.11 .4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902 .6053.19.1.3.11 .4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.1.4 Temperature is higher than upper-non-critical threshold: 30724

For a description of the alarm, refer to [Table 4-6](#).

Table 4-6 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAdditionalForm	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.1.5 Temperature is higher than upper-critical threshold 30725

For a description of the alarm, refer to [Table 4-7](#).

Table 4-7 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902 .6053.19.1.3.11 .4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902 .6053.19.1.3.11 .4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902 .6053.19.1.3.11 .4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902 .6053.19.1.3.11 .4.4	acTrapDescription	DisplayString	Event description		no
1.3.6.1.4.1.3902 .6053.19.1.3.11 .4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902 .6053.19.1.3.11 .4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902 .6053.19.1.3.11 .4.7	acTrapDeviceSN	DisplayString	SN of the event subject		no
1.3.6.1.4.1.3902 .6053.19.1.3.11 .4.8	acTrapAddIn-Form	DisplayString	Additional information		no
1.3.6.1.4.1.3902 .6053.19.1.3.11 .4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.1.6 Temperature is higher than upper-non-recoverable threshold: 30726

For a description of the alarm, refer to [Table 4-8](#).

Table 4-8 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAdditionalForm	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.1.7 Voltage is lower than lower-non-critical threshold: 30727

For a description of the alarm, refer to [Table 4-9](#).

Table 4-9 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.1.8 Voltage is lower than lower-critical threshold: 30728

For a description of the alarm, refer to [Table 4-10](#).

Table 4-10 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAdditionalForm	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.1.9 Voltage is lower than lower-non-recoverable threshold: 30729

For a description of the alarm, refer to [Table 4-11](#).

Table 4-11 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.1.10 Voltage is higher than upper-non-critical threshold: 30730

For a description of the alarm, refer to [Table 4-12](#).

Table 4-12 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAdditionalForm	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.1.11 Voltage is higher than upper-critical threshold: 30731

For a description of the alarm, refer to [Table 4-13](#).

Table 4-13 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.1.12 Voltage is higher than upper-non-recoverable threshold: 30732

For a description of the alarm, refer to [Table 4-14](#).

Table 4-14 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAdditionalForm	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.2 CPU Alarm Traps

For CPU alarm traps, refer to [Table 4-15](#).

Table 4-15 CPU Alarm Traps

Alarm Type ID/Alarm Code	Alarm Trap OID	Alarm Name
30736	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30736	CPU utilization exceeds alarm limit
30765	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30765	CPU error
30815	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30815	Host cpu reset event
30916	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30916	CPU configure error.
30920	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30920	FRB1/BIST Failure.

4.2.1 CPU utilization exceeds alarm limit: 30736

For a description of the alarm, refer to [Table 4-16](#).

Table 4-16 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.2.2 CPU error: 30765

For a description of the alarm, refer to [Table 4-17](#).

Table 4-17 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.2.3 Host cpu reset event: 30815

For a description of the alarm, refer to [Table 4-18](#).

Table 4-18 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.2.4 CPU configure error: 30916

For a description of the alarm, refer to [Table 4-19](#).

Table 4-19 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.2.5 FRB1/BIST Failure: 30920

For a description of the alarm, refer to [Table 4-20](#).

Table 4-20 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.3 Hard Disk Alarm Traps

For hard disk alarm traps, refer to [Table 4-21](#).

Table 4-21 Hard Disk Alarm Traps

Alarm Type ID/Alarm Code	Alarm Trap OID	Alarm Name
5632	1.3.6.1.4.1.3902.6053.19.1.3.11.1.5632	The hard disk used-rate is over threshold
5797	1.3.6.1.4.1.3902.6053.19.1.3.11.1.5797	The hard disk is abnormal
5800	1.3.6.1.4.1.3902.6053.19.1.3.11.1.5800	Hard disk offline
30810	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30810	Hard disk status change
30843	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30843	Hard disk is missing
30844	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30844	Hard disk is not accessible
30857	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30857	Hard disk temperature is higher than major threshold
30860	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30860	Hard disk has predictive failure
30911	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30911	Nvme link is abnormal.
30912	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30912	Nvme has failure.
30918	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30918	The hard disk has foreign configuration.

4.3.1 The hard disk used-rate is over threshold: 5632

For a description of the alarm, refer to [Table 4-22](#).

Table 4-22 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902 .6053.19.1.3.11 .4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902 .6053.19.1.3.11 .4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902 .6053.19.1.3.11 .4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902 .6053.19.1.3.11 .4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902 .6053.19.1.3.11 .4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902 .6053.19.1.3.11 .4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902 .6053.19.1.3.11 .4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902 .6053.19.1.3.11 .4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902 .6053.19.1.3.11 .4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902 .6053.19.1.3.11 .3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.3.2 The hard disk is abnormal: 5797

For a description of the alarm, refer to [Table 4-23](#).

Table 4-23 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAdditionalForm	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.3.3 Hard disk offline: 5800

For a description of the alarm, refer to [Table 4-24](#).

Table 4-24 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.3.4 Hard disk status change: 30810

For a description of the alarm, refer to [Table 4-25](#).

Table 4-25 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAdditionalForm	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.3.5 Hard disk is missing: 30843

For a description of the alarm, refer to [Table 4-26](#).

Table 4-26 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.3.6 Hard disk is not accessible: 30844

For a description of the alarm, refer to [Table 4-27](#).

Table 4-27 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAdditionalForm	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.3.7 Hard disk temperature is higher than major threshold: 30857

For a description of the alarm, refer to [Table 4-28](#).

Table 4-28 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.3.8 Hard disk has predictive failure: 30860

For a description of the alarm, refer to [Table 4-29](#).

Table 4-29 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAdditionalForm	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.3.9 Nvme link is abnormal: 30911

For a description of the alarm, refer to [Table 4-30](#).

Table 4-30 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.3.10 Nvme has failure: 30912

For a description of the alarm, refer to [Table 4-31](#).

Table 4-31 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAdditionalForm	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.3.11 The hard disk has foreign configuration: 30918

For a description of the alarm, refer to [Table 4-32](#).

Table 4-32 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.4 Board Alarm Traps

For board alarm traps, refer to [Table 4-33](#).

Table 4-33 Board Alarm Traps

Alarm Type ID/Alarm Code	Alarm Trap OID	Alarm Name
5801	1.3.6.1.4.1.3902.6053.19.1.3.11.1.5801	Virtual disk is abnormal
5802	1.3.6.1.4.1.3902.6053.19.1.3.11.1.5802	RAID card is abnormal
30752	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30752	NIC port link state is down
30768	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30768	PCIe error
30832	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30832	PCIe scan failed
30833	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30833	PCIe correctable error
30834	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30834	PCIe correctable error
30840	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30840	PCIe topology changed
30841	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30841	automatic apply new PCIe topology config
30842	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30842	PCIe device is equipped error

4.4.1 Virtual disk is abnormal: 5801

For a description of the alarm, refer to [Table 4-34](#).

Table 4-34 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	- Assert - Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.4.2 RAID card is abnormal: 5802

For a description of the alarm, refer to [Table 4-35](#).

Table 4-35 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	- Critical - Warning - OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.4.3 NIC port link state is down: 30752

For a description of the alarm, refer to [Table 4-36](#).

Table 4-36 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	- Assert - Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.4.4 PCIE error: 30768

For a description of the alarm, refer to [Table 4-37](#).

Table 4-37 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	- Critical - Warning - OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.4.5 PCIe scan failed: 30832

For a description of the alarm, refer to [Table 4-38](#).

Table 4-38 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	- Assert - Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.4.6 PCIe correctable error: 30833

For a description of the alarm, refer to [Table 4-39](#).

Table 4-39 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	- Critical - Warning - OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.4.7 PCIe correctable error: 30834

For a description of the alarm, refer to [Table 4-40](#).

Table 4-40 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	- Assert - Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.4.8 PCIe topology changed: 30840

For a description of the alarm, refer to [Table 4-41](#).

Table 4-41 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	- Critical - Warning - OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.4.9 automatic apply new PCIe topology config: 30841

For a description of the alarm, refer to [Table 4-42](#).

Table 4-42 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	- Assert - Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.4.10 PCIe device is equipped error: 30842

For a description of the alarm, refer to [Table 4-43](#).

Table 4-43 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	- Critical - Warning - OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.5 Fan Alarm Traps

For fan alarm traps, refer to [Table 4-44](#).

Table 4-44 Fan Alarm Traps

Alarm Type ID/Alarm Code	Alarm Trap OID	Alarm Name
23050	1.3.6.1.4.1.3902.6053.19.1.3.11.1.23050	Fan device absent
30734	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30734	Velocity of fan is lower than lower-critical threshold
30745	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30745	Velocity of fan is lower than lower-non-critical threshold
30746	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30746	Velocity of fan is lower than lower-non-recoverable threshold
30847	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30847	Fantray fully redundant state inform
30848	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30848	Fantray redundancy lost alarm
30864	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30864	Fan speed status abnormal alarm

4.5.1 Fan device absent: 23050

For a description of the alarm, refer to [Table 4-45](#).

Table 4-45 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAdditionalForm	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.5.2 Velocity of fan is lower than lower-critical threshold: 30734

For a description of the alarm, refer to [Table 4-46](#).

Table 4-46 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAdditionalForm	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.5.3 Velocity of fan is lower than lower-non-critical threshold: 30745

For a description of the alarm, refer to [Table 4-47](#).

Table 4-47 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.5.4 Velocity of fan is lower than lower-non-recoverable threshold: 30746

For a description of the alarm, refer to [Table 4-48](#).

Table 4-48 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAdditionalForm	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.5.5 Fantray fully redundant state inform: 30847

For a description of the alarm, refer to [Table 4-49](#).

Table 4-49 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.5.6 Fantray redundancy lost alarm: 30848

For a description of the alarm, refer to [Table 4-50](#).

Table 4-50 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAdditionalForm	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.5.7 Fan speed status abnormal alarm: 30864

For a description of the alarm, refer to [Table 4-51](#).

Table 4-51 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.6 Power Supply Alarm Traps

For power supply alarm traps, refer to [Table 4-52](#).

Table 4-52 Power Supply Alarm Traps

Alarm Type ID/Alarm Code	Alarm Trap OID	Alarm Name
23051	1.3.6.1.4.1.3902.6053.19.1.3.11.1.23051	Power unit absent
30756	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30756	Power major fault
30758	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30758	Power minor fault
30787	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30787	Server is powered on
30790	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30790	Server is powered off
30791	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30791	Power module status change.
30849	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30849	PSU fully redundant state in-form
30850	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30850	PSU redundancy degraded alarm
30851	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30851	PSU redundancy lost alarm
30880	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30880	Abnormal PSU Output alarm
30881	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30881	PSU fan predictive failure alarm.

4.6.1 Power unit absent: 23051

For a description of the alarm, refer to [Table 4-53](#).

Table 4-53 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.6.2 Power major fault: 30756

For a description of the alarm, refer to [Table 4-54](#).

Table 4-54 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.6.3 Power minor fault: 30758

For a description of the alarm, refer to [Table 4-55](#).

Table 4-55 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.6.4 Server is powered on: 30787

For a description of the alarm, refer to [Table 4-56](#).

Table 4-56 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.6.5 Server is powered off: 30790

For a description of the alarm, refer to [Table 4-57](#).

Table 4-57 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.6.6 Power module status change: 30791

For a description of the alarm, refer to [Table 4-58](#).

Table 4-58 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.6.7 PSU fully redundant state inform: 30849

For a description of the alarm, refer to [Table 4-59](#).

Table 4-59 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.6.8 PSU redundancy degraded alarm: 30850

For a description of the alarm, refer to [Table 4-60](#).

Table 4-60 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.6.9 PSU redundancy lost alarm: 30851

For a description of the alarm, refer to [Table 4-61](#).

Table 4-61 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.6.10 Abnormal PSU Output alarm: 30880

For a description of the alarm, refer to [Table 4-62](#).

Table 4-62 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.6.11 PSU fan predictive failure alarm: 30881

For a description of the alarm, refer to [Table 4-63](#).

Table 4-63 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.7 Memory Alarm Traps

For memory alarm traps, refer to [Table 4-64](#).

Table 4-64 Memory Alarm Traps

Alarm Type ID/Alarm Code	Alarm Trap OID	Alarm Name
30737	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30737	Memory utilization exceeds alarm limit
30759	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30759	Fault memory isolation
30772	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30772	Correctable memory error.
30773	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30773	Uncorrectable memory error.
30835	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30835	Correctable memory error.
30774	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30774	Correctable error limit reached.
30865	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30865	Memory temperature above major threshold alarm

Alarm Type ID/Alarm Code	Alarm Trap OID	Alarm Name
30890	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30890	Correctable ECC error minor alarm limit reached.
30891	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30891	Correctable ECC error minor alarm limit reached.

4.7.1 Memory utilization exceeds alarm limit: 30737

For a description of the alarm, refer to [Table 4-65](#).

Table 4-65 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAdditionalForm	DisplayString	Additional information	-	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.7.2 Fault memory isolation: 30759

For a description of the alarm, refer to [Table 4-66](#).

Table 4-66 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddInForm	DisplayString	Additional information	-	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.7.3 Correctable memory error: 30772

For a description of the alarm, refer to [Table 4-67](#).

Table 4-67 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.7.4 Uncorrectable memory error: 30773

For a description of the alarm, refer to [Table 4-68](#).

Table 4-68 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.7.5 Correctable memory error: 30835

For a description of the alarm, refer to [Table 4-69](#).

Table 4-69 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.7.6 Correctable error limit reached: 30774

For a description of the alarm, refer to [Table 4-70](#).

Table 4-70 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.7.7 Memory temperature above major threshold alarm: 30865

For a description of the alarm, refer to [Table 4-71](#).

Table 4-71 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.7.8 Correctable ECC error minor alarm limit reached: 30890

For a description of the alarm, refer to [Table 4-72](#).

Table 4-72 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.7.9 Correctable ECC error minor alarm limit reached: 30891

For a description of the alarm, refer to [Table 4-73](#).

Table 4-73 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCTime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.8 System Alarm Traps

For system alarm traps, refer to [Table 4-74](#).

Table 4-74 System Alarm Traps

Alarm Type ID/Alarm Code	Alarm Trap OID	Alarm Name
30762	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30762	Server power on failure
30763	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30763	System Intrusion
30776	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30776	The total power is too high.
30777	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30777	System psus are not compatible
30780	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30780	POST Error
30781	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30781	MCE Fatal Error
30782	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30782	MCE Catastrophic Error
30783	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30783	CPU Predictive Failure Detected
30786	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30786	Device temperature is higher than major threshold
30836	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30836	CPU Predictive Failure Detected
30837	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30837	Services on this server are recommended to be moved out
30838	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30838	heat alert
30839	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30839	ambient temperature read abnormal.
30845	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30845	Watchdog timeout alarm

Alarm Type ID/Alarm Code	Alarm Trap OID	Alarm Name
30846	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30846	Watchdog timeout inform
30852	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30852	UID button inform
30853	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30853	BMC system restart inform
30854	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30854	Power button inform
30855	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30855	Auto active bios Success
30856	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30856	System boot inform
30859	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30859	Smart Nic Detect Error.
8392707	1.3.6.1.4.1.3902.6053.19.1.3.11.1.8392707	BMC synchronize status change.
30861	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30861	Liquid cooling system is leaking.
30862	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30862	Liquid cooling system is out of service
30866	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30866	System firmware status abnormal alarm
30867	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30867	Abnormal power on alarm
30900	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30900	Waiting Taihang Post Start
30901	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30901	Waiting Taihang Post Success
30902	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30902	SOC Post failed
30903	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30903	BIOS Post failed
30913	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30913	Liquid cooling system but the Liquid-card is not present

4.8.1 Server power on failure: 30762

For a description of the alarm, refer to [Table 4-75](#).

Table 4-75 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.8.2 System Intrusion: 30763

For a description of the alarm, refer to [Table 4-76](#).

Table 4-76 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAdditionalForm	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.8.3 The total power is too high: 30776

For a description of the alarm, refer to [Table 4-77](#).

Table 4-77 Alarm Description

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.8.4 System psus are not compatible: 30777

For a description of the alarm, refer to [Table 4-78](#).

Table 4-78 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAdditionalForm	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.8.5 POST Error: 30780

For a description of the alarm, refer to [Table 4-79](#).

Table 4-79 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.8.6 MCE Fatal Error: 30781

For a description of the alarm, refer to [Table 4-80](#).

Table 4-80 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAdditionalForm	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.8.7 MCE Catastrophic Error: 30782

For a description of the alarm, refer to [Table 4-81](#).

Table 4-81 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.8.8 CPU Predictive Failure Detected: 30783

For a description of the alarm, refer to [Table 4-82](#).

Table 4-82 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAdditionalForm	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.8.9 Device temperature is higher than major threshold: 30786

For a description of the alarm, refer to [Table 4-83](#).

Table 4-83 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.8.10 CPU Predictive Failure Detected: 30836

For a description of the alarm, refer to [Table 4-84](#).

Table 4-84 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAdditionalForm	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.8.11 Services on this server are recommended to be moved out: 30837

For a description of the alarm, refer to [Table 4-85](#).

Table 4-85 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.8.12 heat alert: 30838

For a description of the alarm, refer to [Table 4-86](#).

Table 4-86 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAdditionalForm	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.8.13 ambient temperature read abnormal: 30839

For a description of the alarm, refer to [Table 4-87](#).

Table 4-87 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.8.14 Watchdog timeout alarm: 30845

For a description of the alarm, refer to [Table 4-88](#).

Table 4-88 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAdditionalForm	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.8.15 Watchdog timeout inform: 30846

For a description of the alarm, refer to [Table 4-89](#).

Table 4-89 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.8.16 UID button inform: 30852

For a description of the alarm, refer to [Table 4-90](#).

Table 4-90 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAdditionalForm	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.8.17 BMC system restart inform: 30853

For a description of the alarm, refer to [Table 4-91](#).

Table 4-91 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.8.18 Power button inform: 30854

For a description of the alarm, refer to [Table 4-92](#).

Table 4-92 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAdditionalForm	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.8.19 Auto active bios Success: 30855

For a description of the alarm, refer to [Table 4-93](#).

Table 4-93 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.8.20 System boot inform: 30856

For a description of the alarm, refer to [Table 4-94](#).

Table 4-94 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAdditionalForm	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.8.21 Smart Nic Detect Error: 30859

For a description of the alarm, refer to [Table 4-95](#).

Table 4-95 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.8.22 BMC synchronize status change: 8392707

For a description of the alarm, refer to [Table 4-96](#).

Table 4-96 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAdditionalForm	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.8.23 Liquid cooling system is leaking: 30861

For a description of the alarm, refer to [Table 4-97](#).

Table 4-97 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.8.24 Liquid cooling system is leaking: 30862

For a description of the alarm, refer to [Table 4-98](#).

Table 4-98 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAdditionalForm	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.8.25 System firmware status abnormal alarm: 30866

For a description of the alarm, refer to [Table 4-99](#).

Table 4-99 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAdditionalForm	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.8.26 Abnormal power on alarm: 30867

For a description of the alarm, refer to [Table 4-100](#).

Table 4-100 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAdditionalForm	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.8.27 Wating Taihang Post Start: 30900

For a description of the alarm, refer to [Table 4-101](#).

Table 4-101 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.8.28 Wating Taihang Post Success: 30901

For a description of the alarm, refer to [Table 4-102](#).

Table 4-102 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAdditionalForm	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.8.29 SOC Post failed: 30902

For a description of the alarm, refer to [Table 4-103](#).

Table 4-103 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.8.30 BIOS Post failed: 30903

For a description of the alarm, refer to [Table 4-104](#).

Table 4-104 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAdditionalForm	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.8.31 Liquid cooling system but the Liquid-card is not present: 30913

For a description of the alarm, refer to [Table 4-105](#).

Table 4-105 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAdditionalForm	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.9 Optical Module Alarm Traps

For optical module alarm traps, refer to [Table 4-106](#).

Table 4-106 Optical Module Alarm Traps

Alarm Type ID/Alarm Code	Alarm Trap OID	Alarm Name
30870	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30870	Optical module status abnormal alarm

4.9.1 Optical module status abnormal alarm: 30870

For a description of the alarm, refer to [Table 4-107](#).

Table 4-107 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDhh:m-m:ss+hh:mm	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Component type + Component location	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	Critical	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	The optical module (Location:Embedded/OCF/Slot +Slot number, Port+Port number, Fiber+Optical port number) is unhealthy.	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	Optical module SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddInForm	DisplayString	Additional information	Null	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.10 Asset Change Notification Traps

For asset change notification traps, refer to [Table 4-108](#).

Table 4-108 Asset Change Notification Traps

Alarm Type ID/Alarm Code	Alarm Trap OID	Alarm Name
30905	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30905	Asset Change Notification.

4.10.1 Asset Change Notification: 30905

For a description of the alarm, refer to [Table 4-109](#).

Table 4-109 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

4.11 BIOS black box MCE notification Traps

For BIOS black box MCE notification traps, refer to [Table 4-110](#).

Table 4-110 BIOS Black Box MCE Notification Traps

Alarm Type ID/Alarm Code	Alarm Trap OID	Alarm Name
30907	1.3.6.1.4.1.3902.6053.19.1.3.11.1.30907	A Machine Check Exception occurred recently.

4.11.1 A Machine Check Exception occurred recently: 30907

For a description of the alarm, refer to [Table 4-111](#).

Table 4-111 Alarm Descriptions

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.1	acTrapTime	DisplayString	Generation time	YYYY-MM-DDHH:MM:SS	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.2	acTrapEventSubject	DisplayString	Event subject	Part type+serial number	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.3	acTrapSeverity	DisplayString	Severity level	● Critical ● Warning ● OK	no

VB OID	VB Node Name	VB Field Type	VB Display Name	Value Description	Location Field or Not
1.3.6.1.4.1.3902.6053.19.1.3.11.4.4	acTrapDescription	DisplayString	Event description	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.5	acTrapProductSerial	DisplayString	Product identity	Product SN	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.6	acTrapState	DisplayString	Alarm status	● Assert ● Deassert	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.7	acTrapDeviceSN	DisplayString	SN of the event subject	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.8	acTrapAddIn-Form	DisplayString	Additional information	-	no
1.3.6.1.4.1.3902.6053.19.1.3.11.4.9	dwTrapIndex	Unsigned32	Sequence number	Numbered from 1	yes
1.3.6.1.4.1.3902.6053.19.1.3.11.3.20	tAlarmUTCtime	DisplayString	Alarm UTC time	YYYY-MM-DDHH:MM:SS	no

Glossary

AI

- Artificial Intelligence

AIC

- Automatic Integration Center

BBU

- Battery Backup Unit

BIOS

- Basic Input/Output System

BMC

- Baseboard Management Controller

CPU

- Central Processing Unit

CRC

- Cyclic Redundancy Check

DDR

- Double Data Rate

DHCP

- Dynamic Host Configuration Protocol

DIMM

- Dual Inline Memory Module

DRAM

- Dynamic Random Access Memory

ECC

- Error Check and Correction

FC

- Fiber Channel

FPGA

- Field Programmable Gate Array

FRU

- Field Replaceable Unit

GPU

- Graphics Processing Unit

GUID

- Globally Unique Identifier

I/O

- Input/Output

ID

- Identification

IP

- Internet Protocol

IPMI

- Intelligent Platform Management Interface

IPv4

- Internet Protocol Version 4

LLDP

- Link Layer Discovery Protocol

MAC

- Media Access Control

MCE

- Machine-Check Exception

ME

- Management Engine

MIB

- Management Information Base

NIC

- Network Interface Card

NMS

- Network Management System

NTP

- Network Time Protocol

NVMe

- Non-Volatile Memory Express

OCP

- Open Computer Project

OID

- Object Identifier

OS

- Operating System

PCIe

- Peripheral Component Interconnect Express

PMC

- Power Management Controller

POST

- Power-On Self-Test

PSU

- Power Supply Unit

RAID

- Redundant Array of Independent Disks

SAS

- Serial Attached SCSI

SMART

- Self-Monitoring Analysis and Reporting Technology

SN

- Serial Number

SNMP

- Simple Network Management Protocol

SSD

- Solid State Drive

TCP

- Transmission Control Protocol

TDP

- Thermal Design Power

UID

- Unit Identification Light

USM

- User Security Model

VACM

- View-Based Access Control Model

VLAN

- Virtual Local Area Network

WWNN

- World Wide Node Name

WWPN

- World Wide Port Name

