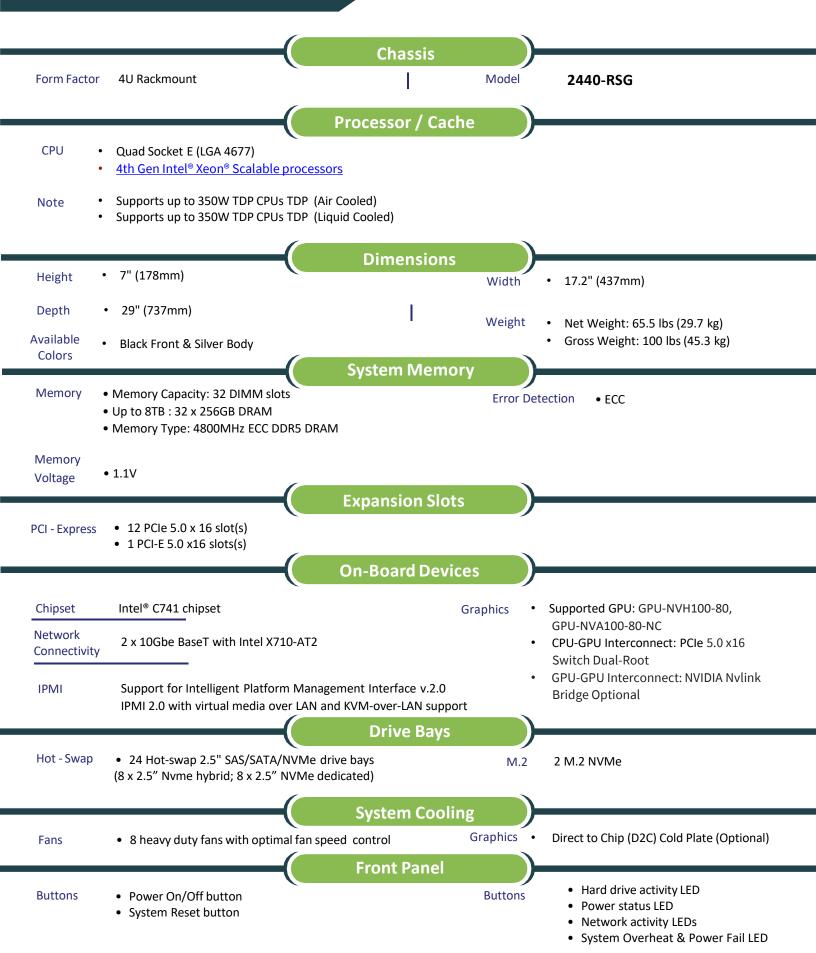# Datasheet
Vantageo 2440-RSG

Key Features

High Performance Computing
VDI
AI/Deep Learning Training
Cloud Gaming
Design & Visualization
Diagnostic Imaging

Media/Video Streaming
Animation and Modeling
3D Rendering

1. 32 DIMM slots Up to 8TB: 32x 256 GB DRAM Memory Type: 4800MHz ECC DDR5
2. 13 PCIe Gen 5.0 X16 FHFL Slots
   AIOM/OCP 3.0 Support
3. 8x 2.5" Hot-swap SATA drive bays
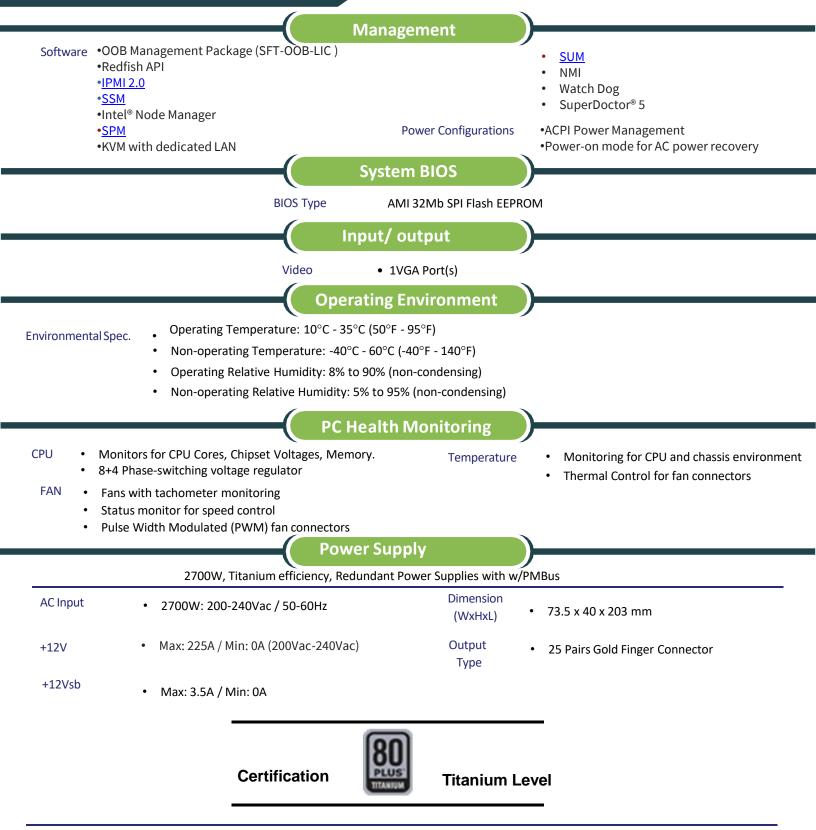   8x HOT SWAP 2.5" SATA/SAS (AOC required)

SPECIFICATIONS

vantageo®

Chassis

Form Factor	4U Rackmount		Model	**2440-RSG**

Processor / Cache

CPU
- Quad Socket E (LGA 4677)
- 4th Gen Intel® Xeon® Scalable processors

Note
- Supports up to 350W TDP CPUs TDP (Air Cooled)
- Supports up to 350W TDP CPUs TDP (Liquid Cooled)

Dimensions

Height
- 7" (178mm)

Width
- 17.2" (437mm)

Depth
- 29" (737mm)

Weight
- Net Weight: 65.5 lbs (29.7 kg)
- Gross Weight: 100 lbs (45.3 kg)

Available Colors
- Black Front & Silver Body

System Memory

Memory
- Memory Capacity: 32 DIMM slots
- Up to 8TB : 32 x 256GB DRAM
- Memory Type: 4800MHz ECC DDR5 DRAM

Error Detection
- ECC

Memory Voltage
- 1.1V

Expansion Slots

PCI - Express
- 12 PCIe 5.0 x 16 slot(s)
- 1 PCI-E 5.0 x16 slots(s)

On-Board Devices

Chipset | Intel® C741 chipset

Network Connectivity | 2 x 10Gbe BaseT with Intel X710-AT2

IPMI | Support for Intelligent Platform Management Interface v.2.0
IPMI 2.0 with virtual media over LAN and KVM-over-LAN support

Graphics
- Supported GPU: GPU-NVH100-80, GPU-NVA100-80-NC
- CPU-GPU Interconnect: PCIe 5.0 x16 Switch Dual-Root
- GPU-GPU Interconnect: NVIDIA Nvlink Bridge Optional

Drive Bays

Hot - Swap
- 24 Hot-swap 2.5" SAS/SATA/NVMe drive bays (8 x 2.5" Nvme hybrid; 8 x 2.5" NVMe dedicated)

M.2 | 2 M.2 NVMe

System Cooling

Fans
- 8 heavy duty fans with optimal fan speed control

Graphics
- Direct to Chip (D2C) Cold Plate (Optional)

Front Panel

Buttons
- Power On/Off button
- System Reset button

Buttons
- Hard drive activity LED
- Power status LED
- Network activity LEDs
- System Overheat & Power Fail LED

SPECIFICATIONS

Management

Software
- OOB Management Package (SFT-OOB-LIC)
- Redfish API
- IPMI 2.0
- SSM
- Intel® Node Manager
- SPM
- KVM with dedicated LAN

- SUM
- NMI
- Watch Dog
- SuperDoctor® 5

Power Configurations
- ACPI Power Management
- Power-on mode for AC power recovery

System BIOS

BIOS Type   AMI 32Mb SPI Flash EEPROM

Input/ output

Video   • 1VGA Port(s)

Operating Environment

Environmental Spec.
- Operating Temperature: 10°C - 35°C (50°F - 95°F)
- Non-operating Temperature: -40°C - 60°C (-40°F - 140°F)
- Operating Relative Humidity: 8% to 90% (non-condensing)
- Non-operating Relative Humidity: 5% to 95% (non-condensing)

PC Health Monitoring

CPU
- Monitors for CPU Cores, Chipset Voltages, Memory.
- 8+4 Phase-switching voltage regulator

FAN
- Fans with tachometer monitoring
- Status monitor for speed control
- Pulse Width Modulated (PWM) fan connectors

Temperature
- Monitoring for CPU and chassis environment
- Thermal Control for fan connectors

Power Supply

2700W, Titanium efficiency, Redundant Power Supplies with w/PMBus

AC Input
- 2700W: 200-240Vac / 50-60Hz

+12V
- Max: 225A / Min: 0A (200Vac-240Vac)

+12Vsb
- Max: 3.5A / Min: 0A

Dimension (WxHxL)
- 73.5 x 40 x 203 mm

Output Type
- 25 Pairs Gold Finger Connector

Certification   80 PLUS TITANIUM   **Titanium Level**