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Vantageo 2450-RG-GPU

Flexible, Scalable, and Secure

HPC/AI Server - 4th/5th Gen Intel® Xeon® Scalable - 5U DP HGX™ H100 8-GPU | Application: AI , AI Training , AI Inference , Visual Computing & HPC

Features

• Supports NVIDIA HGX™ H100 with 8 x SXM5 GPUs

• Supports NVIDIA® NVLink® and NVSwitch™ technology

• Up to 900GB/s GPU to GPU interconnection

• 4th/5th Gen Intel® Xeon® Scalable Processors

• Intel® Xeon® CPU Max Series

• Dual processor, LGA 4677

• 8-Channel RDIMM DDR5, 32 x DIMMs

• Dual ROM Architecture

• Compatible with NVIDIA® BlueField®-2 / BlueField®-3 DPUs

• 2 x 10Gb/s BASE-T LAN ports

• 1 x dedicated management port

• 8 x 2.5" Gen5 NVMe/SATA hot-swappable bays

• 4 x FHHL PCIe Gen5 x16 slots

• 8 x LP PCIe Gen5 x16 slots

• 4+2 3000W 80 PLUS Titanium redundant power supplies

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Features	Technical Specification	
Processor	5th Generation Intel® Xeon® Scalable Processors 4th Generation Intel® Xeon® Scalable Processors Intel® Xeon® CPU Max Series Dual processor, CPU TDP up to 350W	
Chip Set	Intel® C741 Chipset	
Memory	8-Channel DDR5 memory, 32 x DIMM slots RDIMM modules up to 96GB supported 3DS RDIMM modules up to 256GB supported Memory speed: Up to 5600 MHz (1DPC), 4400 MHz (2DPC)	
Raid controller Options	Intel® SATA RAID 0/1/10/5	
Storage NVMe	NVMe from PEX89104	
Power supplies	4+2 3000W 80 PLUS Titanium redundant power supplies	
Dimensions	Form factor: 5U	Height: 222.25mm Width: 447mm Length: 945mm *Dimensions do not include bezel
Embedded management	Aspeed® AST2600 management controller Management Console	
Motherboard	MSB3-G41	
Video	Integrated in Aspeed AST2600 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp, DDR4 SDRAM	
LAN	2 x 10Gb/s BASE-T LAN ports (Intel® X710-AT2) - Supported NCSI 1 x 10/100/1000 management LAN	
Storage	8 x 2.5" Gen5 NVMe/SATA/SAS hot-swappable HDD/SSD bays SAS card is required for SAS devices support	
Socket	2 x LGA 4677 (Socket E)	
I/O & Ports	2 x USB 3.2 Gen1 1 x ID button with LED 1 x VGA 1 x Reset button 2 x RJ45 1 x NMI button 1 x MLAN (default port) 1 x System status LED 1 x Power button with LED 1 x Storage activity LED	
Supported operating systems	Windows Server 2019 / 2022 RHEL 8.6 / 8.7 / 8.8 / 8.9 / 9.0 / 9.1 / 9.2 / 9.3 (x64) SLES 15 SP4 / SP5 (x64) Ubuntu 20.04.6 / 22.04 / 22.04.1 / 22.04.2 / 22.04.3 LTS (x64)	VMware ESXi 7.0 Update 3i & 3o / 8.0 / 8.0 Update 1 & 2 Citrix Hypervisor 8.2 LTSR CU1
Expansion Slots	NVIDIA HGX™ H100 with 8 x SXM5 GPUs (4-root ports) 4 x PCIe Gen5 x16 FHFL slots 8 x PCIe Gen5 x16 low-profile slots	
System Fans	Front: 5 x 80x80x80mm (17,200rpm), 6 x 60x60x76mm (21,700rpm) Rear: 6 x 80x80x80mm (17,000rpm), 2 x 40x40x56mm (29,700rpm) Internal: 6 x 40x40x28mm (25,000rpm), 4 x 60x60x56mm (24,000rpm)	
operating Environment	Operating Temp. 10° C~35° C (50° F~95° F) Non Operating Temp. -40° C~ 60° C (-40° F ~ 140° F)	In/Non Operating Humidity 95%, non-condension 20% C)
Recommended support	24x7 - 4 hours Response, Next Business Day Call to Resolution CTR 24x7 - 4 hours Response, 24 Hours Call to Resolution CTR 24x7 - 4 Hours Response, 6 Hours Call to Resolution CTR Default support Next Business Day Consulting and deployment offerings are also available. Contact Vantageo representative for the more information.	

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