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Vantageo 2240-RU

Flexible, Scalable, and Secure

2U dual-socket GPU server powered by 5th Gen Intel Xeon Scalable processors that supports four dual-slot GPUs, liquid cooling solution, 16 DIMM, six NVMe, two 2600W Titanium power supplies and Vantageo ASMB11-iKVM

1. **Powerful performance:** Powered by 5th Gen Intel® Xeon® Scalable processors unleash up to 21%-greater general-purpose performance per watt, significantly improving AI inference and training

2. **AI and HPC workloads ready:** Up to four dual-slot active or passive GPUs, NVIDIA NVLink® bridge, and NVIDIA Bluefield DPU support to enable performance scaling

3. **Power-efficient system design:** Independent CPU and GPU airflow tunnels for thermal optimization and support for up to two 2600W Titanium redundant power supplies for uninterrupted operation

4. **Comprehensive cooling solutions:** Designed for both liquid cooling and enhanced air cooling based on CPU TDP for versatile workloads

5. **Scale-up storage and expansion design:** A total of six bays in combination of Tri-Mode NVMe/SATA/SAS drives on the front panel and 10 PCIe 5.0 slots for higher bandwidth and system upgrade

6. **Flexible networking module design:** PCIe 5.0 slot in rear panel for faster connectivity

7. **Enhanced IT-infrastructure management**: Vantageo ASMB11-iKVM remote control with ASPEED AST2600, Vantageo Control Center IT management software and hardware-level Root-of-Trust solution

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Features	Technical Specification
Processor	2 x Socket 4th Gen Intel® Xeon® Scalable processors (Up to 350W) 5th Gen Intel® Xeon® Scalable processors (Up to 350W)
Chip Set	Intel® C741 Chipset
Memory	Total Slots: 16 (8 channels per CPU, 8 DIMM per CPU) Capacity: Maximum up to 4TB per CPU socket Memory Type: 4th: DDR5 4800 MHz RDIMM/3DS RDIMM (1DPC) 5th: DDR5 5600/4800 MHz RDIMM/3DS RDIMM (1DPC) 512GB, 256GB, 128GB Intel® Optane™ persistent memory 300 series
Expansion Slots	Rear: 4 x PCIe x16 slots (Gen5 x16 link, FH, FL) for dual-slot GPU cards or 8 x PCIe x16 slots (Gen5 x8 link, FH,FL) for single-slot GPU cards -2 x PCIe x16 slots (Gen5 x16 link, FH, HL) Front: 1 x PCIe x8 slot (Gen4 x8 link, LP, HL)
Storage	2 x 2.5" & 4 x 3.5" Hot-swap Storage Bays SKU1: 2 x 2.5" SATA/SAS*/NVMe + 2 x 3.5" SATA/SAS*/NVMe + 2 x 3.5" SATA/SAS* SKU2: Build to order 2 x 2.5" SATA/SAS*/NVMe + 4 x 3.5" SATA/SAS*/NVMe (Occupy 1 x PCIe x8 link) *SAS support required a HBA/RAID card. **For SKU1 additional 2 x NVMe support required a RAID card. 1 x M.2 socket (Gen3 x4 link PCIe mode, up to 2280)
Networking	2 x 1 Gigabit LAN ports (Intel I350 Controller) 1 x Management Port
Multi-GPU Support	Please find the latest GPU support from vantageo.com
Front I/O Ports	4 x USB 3.2 Gen1 ports
Rear I/O Ports	2 x USB 3.2 Gen1 ports 2 x Gigabit LAN ports (RJ45) 1 x MAnagement port (RJ45) 1 x VGA port
Management Solution	Vantageo Control Center(Classic) On-Board ASMB10-iKVM for KVM-over-IP

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Features	**Technical Specification**
Switch/LED	Front : 1 x Power Button/LED 1 x Location Button/LED 1 x Message LED 1 x Q-Code/Port 80 LED 2 x LAN LED Rear : 1 x Power Button/LED 1 x Location LED 1 x Message LED
OS Support	Windows Server RedHat® Enterprise Linux SuSE® Linux Enterprise Server CentOS Ubuntu Vmware
Regulatory Compliance	BSMI, CE, RCM, FCC(Class A)
Dimensions	800mm x 439.5mm x 88.9mm (2U) 31.50" x 17.30" x 3.50"
Weight	Net Weight: 26 Kg Gross Weight: 36.8 Kg
Power Supply	1+1 Redundant 2600W 80 PLUS Titanium CRPS-R Power Supply
Environment	Operation temperature: 10℃ ~ 35℃ / Non operation temperature: -40℃ ~ 70℃ Non operation humidity: 20% ~ 90% (Non condensing)
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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