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Vantageo 2240-RU

Flexible, Scalable, and Secure

2U dual-socket server powered by 5th Gen Intel Xeon Scalable processors that supports 32 DIMMs, 9 PCIe 5.0 slots, 14 NVMe, OCP 3.0, ASUS ASMB11-iKVM, and up to 4 dual-slot GPUs

Key Features

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. **Scale-up storage and expansion design:** Up to 12 all-flash NVMe drives on the front panel, two NVMe in the real panel (optional), and 9 PCIe 5.0 slots for higher bandwidth and system upgrade

3. **Flexible networking module design:** Optional two 10 Gbps or four 1 Gbps on-board LAN module, and OCP 3.0 module with PCIe 5.0 slot in rear panel for faster connectivity

4. **Advanced air cooling solution:** Features enhanced volume air cooling (EVAC) heatsink for processors with higher TDP

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

6. **Ready for AI and HPC workloads:** GPU SKU supports up to four dual-slot GPUs, including Intel Data Center GPU Flex series and NVIDIA A100

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Features	Technical Specification
Processor	Intel®Xeon® Processor Scalable Family
Chip Set	Intel® C741 Chipset
Memory	**Total slot:** 32 (8-channel per CPU, 16 DIMM per CPU) **Capacity:** Maximum up to 4TB **Memory type:** 4th: 4800 MHz (1DPC)/ 4400 MHz (2DPC) 5th: 5600/4800 MHz (1DPC)/4400(2DPC) **Memory size:** 64GB, 32GB, 16GB RDIMM 256GB, 128GB RDIMM 3DS
Drive bays	12 x 3.5"/2.5" hot-swap bay 2 x M.2 slot
Generation	4th/5th
Expansion Slots	Up to 9 slots 6 x PCIe G5 x8 link or 3 x PCIe G5 x16 link (FHFL or FHHL) 1 x PCIe G5 x16 link (FHHL) 1 x OCP 3.0/PCIe Gen5 x16 link (FHHL) 1 x PCIe G5 x16, LP
Storage	12 x 3.5"/2.5" hot-swap bay 8 x NVMe/SAS*/SATA + 4 NVMe/SATA Optional 2 x 2.5" Rear Hot-swap Storage Bays (Up to 2x NVMe/SATA) (*HBA/RAID card is required to support SAS hard drives)
System Fan	4
Networking	4 x1Gbe(Intel I350-AM4) RJ45 port or 2 x 10Gbe(Intel X710-AT2) RJ45 port
Graphic	Aspeed AST2600 64MB
Front I/O Ports	2 x USB 3.2 Gen1 ports
Rear I/O Ports	2 x USB 3.2 Gen1 ports,1 x VGA port, 1 x RJ-45 Management LAN port, 2 x 10G or 4 x 1G RJ-45 GbE LAN port (optional)
Switch/LED	Front Switch/LED:1 x Power Switch (w/ LED), 1 x Location Switch (w/ LED)
Dimensions	840mm x 447mm x 88mm
Switch/LED	Front Switch/LED:1 x Power Switch (w/ LED), 1 x Location Switch (w/ LED)
Form Factor	2U
Weight	26.855kg
Power Supply	1+1 Redundant AC: 2600W/1600W 80 PLUS Titanium/ Platinum Power Supply
CPU Heatsink/ Cooler	Standard/ EVAC Heatsink
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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