

Vantageo 2241-RU

Flexible, Scalable, and Secure

AMD EPYC™ 9004 dual-processor 2U server that supports up to 24 DIMM, 8 NVMe, nine PCIe® 5.0 slots, two M.2, OCP 3.0, four dual-slot GPUs, and Vantageo

Key Features

- 1. Powerful performance:** Powered by AMD EPYC 9004 processors with 128 Zen 4c cores, 12-channel, up to 4800 MHz DDR5 and support for a maximum TDP of up to 400 watts per socket
- 2. Scale-up storage and expansion design:** Powered by AMD EPYC 9004 processors with 128 Zen 4c cores, 12-channel, up to 4800 MHz DDR5 and support for a maximum TDP of up to 400 watts per socket
- 3. Flexible networking module design:** Powered by AMD EPYC 9004 processors with 128 Zen 4c cores, 12-channel, up to 4800 MHz DDR5 and support for a maximum TDP of up to 400 watts per socket
- 4. Advanced air cooling solution:** Features enhanced volume air cooling (EVAC) heatsink for processors with higher TDP
- 5. Enhanced IT-infrastructure management:** Up to four dual-slot GPU, including NVIDIA A100*

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Features	Technical Specification
Processor / System Bus	2 x Socket SP5 (LGA 6096) AMD EPYC™ 9004 Series (up to 400W) 4th Generation AMD EPYC Processors with AMD 3D V-Cache technology *Please consult sales for more details.
Generation	
Memory	Total Slots : 24 (12-channel per CPU, 1 DIMM per CPU) Capacity : Maximum up to 3072GB per socket Memory Type : DDR5 4800/4400 RDIMM/ 3DS RDIMM Memory Size : 128GB, 64GB, 32GB RDIMM 128GB, 64GB, 32GB 3DS RDIMM
Expansion Slots	Up to 9 PCIe Gen5 slots + 1 x internal RAID slot 6 x PCIe Gen5 x8 or 3 x PCIe Gen5 x16 (FHFL) 2 x PCIe Gen5 x8 or 1 x PCIe Gen5 x16 or 1 x OCP3.0 (FHFL) 1 x PCIe Gen5 x16 (LPHL) 1 x PCIe Gen4 x8 (LP, internal) *Installing GPU cards will occupy expansion slots. *GPU SKU do not support OCP3.0. *RAID/PIKE cable kit required for internal slot support.
Storage	SATA Controller : 8 x SATA 6Gb/s ports 2 x M.2 connectors (SATA 6Gb/s & PCI-E Gen4 x4 link) SAS Controller : Braodcom HBA CARD 9500-16i (Optional) Broadcom MegaRAID 9540-8i (Optional) Broadcom MegaRAID 9560-16i (Optional)
Drive Bays	Front Bays: 12 x 3.5" Hot-Swap drive bays Support up to 4NVMe/SAS* + 4NVMe/SATA/SAS* + 4SATA/SAS* Rear Bays: 2 x 2.5" Hot-Swap drive bays (Optional) Support 2NVMe** *RAID card is required to support SAS hard drives. **Will occupied 2 PCIe slots Front Bays: 12 x 3.5" Hot-Swap drive bays Support up to 4NVMe/SAS* + 4NVMe/SATA/SAS* + 4SATA/SAS* *RAID card is required to support SAS hard drives Rear Bays (Optional): 2 x 2.5" Hot-Swap drive bays (Will occupied 2 PCIe slots) Support 2 x NVMe
System Fan	
Networking	Option 1: 1 x Quad Port Intel I350-AM4 1G LAN Controller + 1 x Mgmt LAN Option 2: 1 x Dual Port Intel X710-AT2 10G LAN Controller + 1 x Mgmt LAN Option 3: None x + 1 x Mgmt LAN
Graphic	
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 Mgmt LAN port 2 x 10G or 4 x 1G RJ-45 GbE LAN port (Optional) 1 x OCP3.0 port (Optional) *GPU SKU do not support OCP3.0.

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Features	Technical Specification
Switch/LED	Front Switch/LED: 1 x Power Switch (w/ LED) 1 x Reset Switch 1 x Location Switch (w/ LED) 1 x HDD Access LED 1 x Message LED LAN 1-4 LED (on NIC module) Rear Switch/LED: 1 x Port 80 LED (Q-Code) 1 x Power Switch w/ LED 1 x Location Switch w/LED 1 x Message LED
Management Solution	On-Board ASMB11-iKVM for KVM-over-IP Vantageo Control Center Enterprise (Optional)
Regulatory Compliance	BSMI, CE, CB, C-Tick, FCC(Class A)
Dimensions	840mm x 449mm x 88.1mm (33.07" x 17.68" x 3.47")
Form Factor	2U
Weight	Net Weight : 19.3KG Gross Weight : 25.77KG
Power Supply	1+1 Redundant 2000W/1600W 80 PLUS Platinum Power Supply 1+1 Redundant 2600W/1600W 80 PLUS Titanium Power Supply Rating: 100-127/220-240Vac,12A/9.5A(x2),50/60Hz 100-127/240Vac,13.8A/16A(x2), 50/60Hz 220-240Vac, 10A(x2), 50/60Hz
Environment	Operation temperature: 10°C ~ 35°C Non operation temperature: -40°C ~ 60°C Non operation humidity: 20% ~ 90% (Non condensing)
Optional Items	Heat Sink: Standard Cooling Solution Enhanced Volume Air Cooling Solution. Rail Kit: Tool-less Friction Rail Kit 1.5U Height Full Extension Ball bearing Type Rail Kit *Please consult sales if cable arm needed. 2U Front Bezel
CPU Heatsink/ Cooler	2
Fan	1 (For supporting GPU SKU, it will have external fan)
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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