

VANTAGEO 2240

Flexible, Scalable, and Secure



The Vantageo 2240 is a powerful 2U rackmount server featuring dual Intel 4th/5th Gen Xeon Scalable processors, DDR5 memory, PCIe Gen4 expansion, and advanced system management. Designed for cloud computing, telecom edge, AI inference, and mission-critical workloads, it offers flexibility, scalability, and enterprise reliability.

- Redundant 2000W CRPS Platinum PSU and hot-swap fans
- Advanced server management with ASPEED AST2600, IPMI 2.0 & Redfish
- Enterprise security with TPM 2.0, dual BIOS and BMC

Applications

- Cloud Computing Services
- Content Delivery Networks
- Network Function Virtualization
- 5G Core and Edge Telecom Micro Data Centers
- AI Inference and Machine Learning

Key Features

- Dual Intel Xeon Scalable (4th/5th Gen) processors, up to 350W
- 32 DDR5 DIMM slots, up to 5600 MT/s (5th Gen), max 256GB per DIMM (3DS)
- 12x 3.5"/2.5" hot-swap drive bays supporting SATA, SAS, and NVMe
- 7x PCIe 4.0 slots (3x x16 FHFL, 4x x16/x8), plus 1x OCP3.0 slot

Technical details

Vantageo 2240 Details

Form Factor	2U Rack Server
Dimensions	438mm(17.2") W x 87mm(3.4") H x 770mm(30.3")D
Processor	Dual 4th/5th Gen Intel® Xeon® Scalable processors, TDP up to 350W
Chipset	Intel® C741 Chipset
Networking	2 x 1000GBase-T Ethernet Ports w/ optional M.2 LAN module NAD-101
RAID	Intel® SATA RAID 0/1/10/5 1 x VROC header (for Intel® VROC key)
Memory	32 x DDR5 DIMM slots, 16 channels (2DPC), RDIMM/ 3DS-RDIMM Max Frequency: 5th Gen Intel® Xeon®: 5600 MT/s (1DPC), 4400 MT/s (2DPC) 4th Gen Intel® Xeon®: 4800 MT/s (1DPC), 4400 MT/s (2DPC) Max Capacity per DIMM: RDIMM: 96GB 3DS-RDIMM: 256GB
Drive Bays Options	Chassis 2240-RE: 24 x 2.5" SATA/SAS/NVMe hybrid hot-swap drive bays Chassis 2240-RM: 12 x 2.5 / 3.5" SATA/SAS/NVMe hybrid hot-swap drive bays Chassis 2240-RG: 12 x 2.5 /3.5" SATA/SAS hybrid hot-swap drive bays * The SAS card is required for SAS device support.
Internal Storage	2 x M.2 (PCIe 3.0 x2, 2280/ 22110, from PCH)
Expansion Slots	(3) x PCIe 4.0 x16 FHFL slot (one from CPU0, two from CPU1) support max two 400W PCIe card (2) x PCIe 4.0 x16 FHFL slots(x8 signal) (one from CPU0, one from CPU1) (2) x PCIe 4.0 x16 FHHL slots(x8 signal) (one from CPU0, one from CPU1)
Front I/O	2 x USB 2.0 Type-A ports 1 x VGA port 1 x System power LED button 1 x UID LED button 1 x Reset button 4 x Status LEDs (M.2/Fault/ LAN)
Rear I/O	1 x GbE RJ45 Port (mgmt.) 2 x USB 2.0 Type-A ports 1 x COM RJ45 port 1 x VGA port 1 x UID LED button
Security	TPM 2.0 module supported (optional)
Server Management	1 x GbE RJ45 Port (mgmt.) (Realtek® RTL8211FD-CG) 1 x MicroSD card slot (for BMC Log) ASPEED AST2600 - Supports IPMI 2.0 and DMTF Redfish® API Dual BIOS and BMC supported

Cooling	2 x EVAC air cooling modules (for max 350W CPU) 6 x 6038 hot-swap system fans 1 x Air duct (supports FL GPU cards)
Environment	Operating Temperature: 0°C ~ 35°C Non-operating Temperature: -20°C ~ 70°C Non-operating Relative Humidity: 5% ~ 85% (non-condensing)
Power Supply	(1+1) 2000W CRPS, 80 PLUS® Platinum AC Input: 100-127Vac, 12A, 47-63Hz Output: Max 1000W, DC +12V/81.8A, +12Vsb/3A AC Input: 200-219Vac, 10A, 47-63Hz Output: Max 1800W, DC +12V/147A, +12Vsb/3A AC Input: 220-240Vac, 10A, 47-63Hz Output: Max 2000W, DC +12V/163.6A, +12Vsb/3A

Supported Components

CPU	CPU-Intel-Xeon Silver-4410T-10core-2.7GHz-150W-HeatSink CPU-Intel-Xeon Silver-4410Y-12core-2.0GHz-150W-HeatSink CPU-Intel-Xeon Silver-4416+ -20core-2.0GHz-165W-HeatSink CPU-Intel-Xeon Gold-5415+ -8core-2.9GHz-150W-HeatSink CPU-Intel-Xeon Gold-5418N-24core-1.8GHz-165W-HeatSink CPU-Intel-Xeon Gold-5420+ -28core-2.0GHz-205W-HeatSink CPU-Intel-Xeon Gold-5416S-16core-2.0GHz-150W-HeatSink CPU-Intel-Xeon Gold-5418Y-24core-2.0GHz-185W-HeatSink CPU-Intel-Xeon Gold-6438M-32core-2.2GHz-205W-HeatSink CPU-Intel-Xeon Gold-6438Y+ -32core-2.0GHz-205W-HeatSink CPU-Intel-Xeon Gold-6426Y-16core-2.5GHz-185W-HeatSink CPU-Intel-Xeon Gold-6430-32core-2.1GHz-270W-HeatSink CPU-Intel-Xeon Gold-6438N-32core-2.0GHz-205W-HeatSink CPU-Intel-Xeon Gold-6428N-32core-1.8GHz-185W-HeatSink CPU-Intel-Xeon Gold-6448Y-32core-2.1GHz-225W-HeatSink CPU-Intel-Xeon Gold-6434-8core-3.7GHz-195W-HeatSink CPU-Intel-Xeon Gold-6442Y-24core-2.6GHz-225W-HeatSink CPU-Intel-Xeon Gold-6444Y-16core-3.6GHz-270W-HeatSink CPU-Intel-Xeon Platinum-8468V-48core-2.4GHz-330W-HeatSink CPU-Intel-Xeon Platinum-8458P-44core-2.7GHz-350W-HeatSink CPU-Intel-Xeon Platinum-8460Y+ -40core-2.0GHz-300W-HeatSink CPU-Intel-Xeon Platinum-8462Y+ -32core-2.8GHz-300W-HeatSink CPU-Intel-Xeon Platinum-8452Y-36core-2.0GHz-300W-HeatSink
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CPU-Intel-Xeon Platinum-8470N-52core-1.7GHz-300W-HeatSink
 CPU-Intel-Xeon Platinum-8470-52core-2.0GHz-350W-HeatSink
 CPU-Intel-Xeon Platinum-8480+ -56core-2.0GHz-350W-HeatSink
 CPU-Intel-Xeon Platinum-8468-48core-2.1GHz-350W-HeatSink
 CPU-Intel-Xeon Gold-5515+ -8core-3.2GHz-165W-HeatSink
 CPU-Intel-Xeon Gold-5520+ -28core-2.2GHz-205W-HeatSink
 CPU-Intel-Xeon Gold-6416H-18Core-2.2GHz-165W-HeatSink
 CPU-Intel-Xeon Gold-6418H-24Core-2.1GHz-185W-HeatSink
 CPU-Intel-Xeon Gold-6433N-32core-2.0GHz-205W-HeatSink
 CPU-Intel-Xeon Gold-6434H-8Core-3.7GHz-195W-HeatSink
 CPU-Intel-Xeon Gold-6443N-32core-2.0GHz-195W-HeatSink
 CPU-Intel-Xeon Gold-6448H-32core-2.4GHz-250W-HeatSink
 CPU-Intel-Xeon Gold-6526Y-16core-2.8GHz-195W-HeatSink
 CPU-Intel-Xeon Gold-6530-32core-2.1GHz-270W-HeatSink
 CPU-Intel-Xeon Gold-6530-32core-2.1GHz-270W-HeatSink
 CPU-Intel-Xeon Gold-6534-8core-3.9GHz-195W-HeatSink
 CPU-Intel-Xeon Gold-6538N-32core-2.1GHz-205W-HeatSink
 CPU-Intel-Xeon Gold-6538Y+ -32core-2.2GHz-225W-HeatSink
 CPU-Intel-Xeon Gold-6542Y-24core-2.9GHz-250W-HeatSink
 CPU-Intel-Xeon Gold-6544Y-16core-3.6GHz-270W-HeatSink
 CPU-Intel-Xeon Gold-6548N-32core-2.8GHz-250W-HeatSink
 CPU-Intel-Xeon Gold-6548Y+ -32core-2.5GHz-250W-HeatSink
 CPU-Intel-Xeon Gold-6554S-36core-2.2GHz-270W-HeatSink
 CPU-Intel-Xeon Platinum-8444H-16Core-2.9GHz-270W-HeatSink
 CPU-Intel-Xeon Platinum-8450H-28Core-2.0GHz-250W-HeatSink
 CPU-Intel-Xeon Platinum-8454H-32Core-2.1GHz-270W-HeatSink
 CPU-Intel-Xeon Platinum-8460H-40Core-2.2GHz-330W-HeatSink
 CPU-Intel-Xeon Platinum-8468H-48Core-2.1GHz-330W-HeatSink
 CPU-Intel-Xeon Platinum-8490H-60Core-1.9GHz-350W-HeatSink
 CPU-Intel-Xeon Platinum-8558-48core-2.1GHz-330W-HeatSink
 CPU-Intel-Xeon Platinum-8558P-48core-2.7GHz-350W-HeatSink
 CPU-Intel-Xeon Platinum-8562Y+ -32core-2.8GHz-300W-HeatSink
 CPU-Intel-Xeon Platinum-8568Y+ -48core-2.3GHz-350W-HeatSink
 CPU-Intel-Xeon Platinum-8570-56core-2.1GHz-350W-HeatSink
 CPU-Intel-Xeon Platinum-8580-60core-2.0GHz-350W-HeatSink
 CPU-Intel-Xeon Platinum-8592+ -64core-1.9GHz-350W-HeatSink
 CPU-Intel-Xeon Platinum-8592V-64core-2.0GHz-330W-HeatSink
 CPU-Intel-Xeon Silver-4509Y-8core-2.6GHz-125W-HeatSink
 CPU-Intel-Xeon Silver-4510-12core-2.4GHz-150W-HeatSink
 CPU-Intel-Xeon Silver-4510T-12core-2.0GHz-115W-HeatSink
 CPU-Intel-Xeon Silver-4514Y-16core-2.0GHz-150W-HeatSink
 CPU-Intel-Xeon Silver-4516Y+ -24core-2.2GHz-185W-HeatSink

SAS HDD	HDD-600GB-SAS-2.5"-10K-12Gb/s-2.5-inch hard disk box
	HDD-1.2TB-SAS-2.5"-10K-12Gb/s-TOSHIBA-2.5-inch hard disk box
	HDD-1.8TB-SAS-2.5"-10K-12Gb/s-2.5-inch hard disk box
	HDD-2.4TB-SAS-2.5"-10K-12Gb/s-2.5-inch hard disk box
	HDD-1.2TB-SAS-2.5"-10K-12Gb/s-TOSHIBA-3.5-inch hard disk box
	HDD-12TB-SAS-3.5"-7.2K-12Gb/s-3.5-inch hard disk box
	HDD-1.8TB-SAS-2.5"-10K-12Gb/s-3.5-inch hard disk box
	HDD-2.4TB-SAS-2.5"-10K-12Gb/s-3.5-inch hard disk box
	HDD-4TB-SAS-3.5"-7.2K-12Gb/s-WD-3.5-inch hard disk box
	HDD-600GB-SAS-2.5"-10K-12Gb/s-SEAGATE-2.5-inch hard disk box
	HDD-600GB-SAS-2.5"-10K-12Gb/s-SEAGATE-3.5-inch hard disk box
	HDD-600GB-SAS-2.5"-10K-12Gb/s-3.5-inch hard disk box
SATA HDD	HDD-12TB-SATA-3.5"-7.2K-6Gb/s-3.5-inch hard disk box
	HDD-14TB-SATA-3.5"-7.2K-6Gb/s-3.5-inch hard disk box
	HDD-16TB-SATA-3.5"-7.2K-6Gb/s-3.5-inch hard disk box
	HDD-16TB-SATA-3.5"-7.2K-6Gb/s-3.5-inch hard disk box
	HDD-20TB-SATA-3.5"-7.2K-6Gb/s-3.5-inch hard disk box
	HDD-2TB-SATA-3.5"-7.2K-6Gb/s-3.5-inch hard disk box
	HDD-4TB-SAS-3.5"-7.2K-12Gb/s-WD-3.5-inch hard disk box
	HDD-4TB-SATA-3.5"-7.2K-6Gb/s-3.5-inch hard disk box
	HDD-8TB-SATA-3.5"-7.2K-6Gb/s-3.5-inch hard disk box
	HDD-8TB-SATA-3.5"-7.2K-6Gb/s-3.5-inch hard disk box
SSD SATA	SSD-480GB-SATA-2.5"-6Gb/s-Intensive read type-Samsung PM893-2.5-inch hard disk box
	SSD-960GB-SATA-2.5"-6Gb/s-Intensive read type-Samsung PM893-2.5-inch hard disk box
	SSD-1.92TB-SATA-2.5"-6Gb/s-Intensive read type-Samsung PM893-2.5-inch hard disk box
	SSD-1.92TB-SATA-2.5"-6Gb/s-Intensive read type-Samsung PM893-3.5-inch hard disk box
	SSD-240GB-SATA-2.5"-6Gb/s-Intensive read type-Intel S4510-2.5-inch hard disk box
	SSD-240GB-SATA-2.5"-6Gb/s-Intensive read type-Intel S4510-3.5-inch hard disk box
	SSD-3.84TB-SATA-2.5"-6Gb/s-Read-write hybrid-Samsung PM897-2.5-inch hard disk box
	SSD-3.84TB-SATA-2.5"-6Gb/s-Read-write hybrid-Samsung PM897-3.5-inch hard disk box
	SSD-3.84TB-SATA-2.5"-6Gb/s-Intensive read type-Intel S4520-2.5-inch hard disk box
	SSD-3.84TB-SATA-2.5"-6Gb/s-Intensive read type-Intel S4520-3.5-inch hard disk box
	SSD-480GB-SATA-2.5"-6Gb/s-Read-write hybrid-Samsung PM897-2.5-inch hard disk box
	SSD-480GB-SATA-2.5"-6Gb/s-Read-write hybrid-Samsung PM897-3.5-inch hard disk box
	SSD-480GB-SATA-2.5"-6Gb/s-Intensive read type-Samsung PM893-3.5-inch hard disk box
	SSD-480GB-SATA-M.2-2280-6Gb/s-Intensive read type-Intel S4520
	SSD-480GB-SATA-M.2-2280-6Gb/s-Intensive read type-Micron
	SSD-7.68TB-SATA-2.5"-6Gb/s-Intensive read type-Intel S4520-2.5-inch hard disk box
	SSD-7.68TB-SATA-2.5"-6Gb/s-Intensive read type-Intel S4520-3.5-inch hard disk box
	SSD-960GB-SATA-2.5"-6Gb/s-Read-write hybrid-Intel S4620-2.5-inch hard disk box
	SSD-960GB-SATA-2.5"-6Gb/s-Read-write hybrid-Intel S4620-3.5-inch hard disk box
	SSD-960GB-SATA-2.5"-6Gb/s-Intensive read type-Samsung PM893-3.5-inch hard disk box
	SSD-960GB-SATA-M.2-2280-6Gb/s-Intensive read type-Micron
NVME SSD	SSD-1.92TB-NVMe PCIe-2.5 -PCIe 4.0*4-Intensive read type-Samsung PM9A3-2.5-inch hard disk box
	SSD-7.68TB-NVMe PCIe-2.5 -PCIe 4.0*4-Intensive read type-Samsung PM9A3-2.5-inch hard disk box

	SSD-960GB-NVMe PCIe-2.5 -PCIE 4.0*4-Intensive read type-Samsung PM9A3-2.5-inch hard disk box	
	SSD-1.6TB-NVMe PCIe-2.5 -PCIE 4.0*4-Read-write hybrid-Intel P5620-2.5-inch hard disk box	
	SSD-1.6TB-NVMe PCIe-2.5 -PCIE 4.0*4-Read-write hybrid-Intel P5620-3.5-inch hard disk box	
	SSD-1.92TB-NVMe PCIe-2.5 -PCIE 4.0*4-Intensive read type-Samsung PM9A3-3.5-inch hard disk box	
	SSD-960GB-NVMe PCIe-2.5 -PCIE 4.0*4-Intensive read type-Samsung PM9A3-3.5-inch hard disk box	
Fibre Channel Card	PCIe FC HBA-LPE31002-2x16G SFP+ -PCIe3.0x8-with optical module	
	PCIe FC HBA-LPe32002-2x32G SFP+ -PCIe3.0x8-with optical module	
NIC card	PCIe NIC-I350-Intel-2x1G-RJ45-PCIe3.0x8	
	PCIe NIC-I350-Intel-4x1G-RJ45-PCIe3.0x8	
	PCIe NIC-MCX512A-ACAT-Mellanox CX5-2x25G SFP28-PCIe3.0x8-no optical module	
	PCIe NIC-X710-Intel-2x10G-RJ45-PCIe3.0x8	
	PCIe NIC-Mellanox CX4-2x25G SFP28-PCIe3.0x8-no optical module	
	PCIe NIC-MCX512A-ACUT-Mellanox CX5-2x25G SFP28-PCIe3.0x8-no optical module	
	PCIe NIC-MCX623106AN-CDAT-Mellanox CX6-2x100G QSFP56-PCIe4.0x16-no optical module	
	PCIe NIC-XXV710-Intel-2x25G SFP28-PCIe3.0x8-no optical module	
Supported operating system & virtualization Software	Compatible with mainstream server operating systems:	
	Microsoft Windows Sever - 2025	Redhat Virtualization 4.x
	Microsoft Windows Sever - 2022	Red Hat Openshift Virtualization
	Microsoft Windows Sever - 2019	Red Hat Openshift Kubernetes
	Microsoft-Hyper V	Open Source Linux KVM
	Red Hat Enterprise Linux 10.0 - 10.x	SUSE Linux Enterprise Server 15 for AMD64 & Intel64 (with XEN / KVM)
	Red Hat Enterprise Linux 9.0 - 9.x	
	Red Hat Enterprise Linux 8.6 - 8.x	Ubuntu Server 24.04 & 22.04 LTS
	Redhat Open Shift Container Platform 4.x	VMWare vSphere 8.0
	Oracle Enterprise Linux (OEL)	VMWare vSphere 7.0
	Cent OS	
Operating System Certification	Windows Sever - 2022	
	Windows Sever - 2019	
	VMware Server Certification 8.0U3, 9.1, 9.0	
	RHEL 9.0, 8.6	
	RHOC 4.13, 4.11	
	RHOSP 17.1	

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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