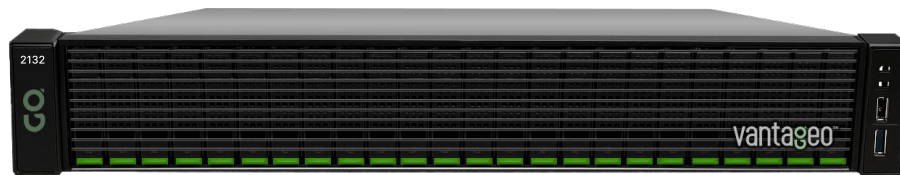


Vantageo 2220-RS Server

Flexible, Scalable, and Secure



The Vantageo 2220-RS from Vantageo is a high-performance 2U rackmount server designed for data-intensive enterprise workloads, cloud infrastructure, and virtualization environments. It supports dual Intel Xeon Scalable processors (1st or 2nd generation) with up to 205 W TDP, providing exceptional compute power for demanding applications. The system features 24 DIMM slots for DDR4 ECC memory, allowing up to 6 TB total memory capacity, and supports Intel Optane DC Persistent Memory for enhanced performance and flexibility.

- 24 Hot-swap 2.5" drive bays; 24 NVMe (4 hybrid ports - SAS3 via opt.AOC), 2 rear Hot-swap 2.5" drive bays;
2 internal M.2 (1 SATA3, 1 NVMe);
1 M.2 NVMe port, Optional extra M.2 NVMe and SATA3 ports
- 4 Heavy duty 8cm PWM fans
- 1600W High efficiency (96%) Redundant PSU; Titanium Level

Key Applications

- Virtualization
- Hyperconverge Storage
- Cloud Computing
- High End Enterprise Server

Key Features

- Dual Socket P (LGA 3647) support 2nd Gen Intel® Xeon® Scalable processors (Cascade Lake/Skylake)
- 24 DIMMs; up to 6TB 3DS ECC DDR4-2933MHz RDIMM/LRDIMM, Supports Intel® Optane™ DCPMM
- 2 PCI-E 3.0 x16 slots (FH, 10.5" L), 1 PCI-E 3.0 x8 slot (LP)
- 4 10GBase-T LAN ports with Intel X550

Technical details

Vantageo 2220-RS Details

Form Factor	2U Rack Server
Processor	Dual Socket P (LGA 3647) 2nd Gen Intel® Xeon® Scalable Processors and Intel® Xeon® Scalable Processors‡, Dual UPI up to 10.4GT/s Support CPU TDP 70-205W
Cores	Up to 28 Cores
Chipset	Intel® C621 chipset
Storage	SATA3 (6Gbps); RAID 0, 1, 5, 10 per node
Network Connectivity	4x 10GBase-T ports via Intel® X550 Ethernet Controller 1x Realtek RTL8211E PHY (dedicated IPMI)
IPMI	Support for Intelligent Platform Management Interface v.2.0 IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
Graphics	ASPEED AST2500 BMC
NVMe	24 NVMe ports
Memory	24 DIMMs; up to 6TB 3DS ECC DDR4-2933MHz RDIMM/LRDIMM, Supports Intel® Optane™ DCPMM
LAN	4 10GBase-T LAN ports 1 RJ45 Dedicated IPMI LAN port
USB	3 USB 3.0 ports (2 rear, 1 Type A)
Video	2 VGA ports (1 rear, 1 onboard)
Serial Port / Header	1 Serial port
DOM	2 DOM (Disk on Module) ports
BIOS Type	AMI 32Mb SPI Flash ROM
Software	Intel® Node Manager Redfish API IPMI 2.0 KVM with dedicated LAN NMI
Power Configurations	ACPI Power Management
CPU	Monitors for CPU Cores, Chipset Voltages, Memory. 4+1 Phase-switching voltage regulator
FAN	Fans with tachometer monitoring Status monitor for speed control Pulse Width Modulated (PWM) fan connectors
Width	17.2" (437mm)
Height	3.5" (89mm)
Weight	Net Weight: 39 lbs (17.7 kg) Gross Weight: 63 lbs (28.6 kg)
Buttons	Power On/Off button System Reset button

LEDs	Power status LED HDD activity LED Network activity LEDs System information (overheat/UID) LED
PCI-Express	2 PCI-E 3.0 x16 (FH, 10.5" L) 1 PCI-E 3.0 x8 (LP)
Hot-swap	24 Hot-swap 2.5" drive bays: 24 NVMe (4 hybrid ports - SAS3 via opt. AOC) 2 rear Hot-swap 2.5" SATA drive bays
M.2	1 M.2 PCI-E 3.0 x4 M-Key NVMe (2240/2260/2280/22110) or 1 M.2 M-Key SATA3 (2240/2260/2280/22110) via optional parts 2 M.2 PCI-E 3.0 x4 M-Key NVMe (2260/2280/22110) via optional add-on card AOC-SLG3-2M2
Fans	4 Heavy duty 8cm PWM fans
Power Supply	1600W Redundant Power Supplies with PMBus
Power Supply	Operating Temperature: 10°C ~ 35°C (50°F ~ 95°F) Non-operating Temperature: -40°C to 70°C (-40°F to 158°F) Operating Relative Humidity: 8% to 90% (non-condensing) Non-operating Relative Humidity: 5% to 95% (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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