

Vantage 22T1 Server

Flexible, Scalable, and Secure



2U 12Bay AMD EPYC 9005 General Server

The dual-socket AMD EPYC SP5 server platform, housed in a 2U chassis with 12 2.5" front storage bays and up to 7 PCIe 5.0 x16 expansion slots, can fulfill various applications. In addition to the onboard 2-port GbE LAN, it also supports one OCP3 NIC mezzanine.

Applications

A general-purpose server that provides scalable capacity and flexibility, suitable for various applications such as cloud computing services, content delivery networks, network function virtualization, 5G core and edge telecom micro data centers, and AI inference and machine learning.

Key Features

- Dual AMD Socket SP5 supporting AMD EPYC™ 9005/9004 series processors with up to 400W TDP for extreme compute workloads.
- 24 DDR5 DIMM slots across 12 memory channels (1DPC) delivering up to 6400 MT/s and massive memory capacity for memory-intensive applications.
- Multiple PCIe 5.0 x16 slots across three risers, supporting full-height, full-length GPU cards for AI, HPC, and acceleration workloads.
- Supports up to 12 hot-swap drives, including SATA, SAS, and PCIe 4.0 NVMe U.2, plus dual M.2 slots for OS or boot drives.

Technical details Vantageo 22T1

Form Factor	2U Rackmount
Processor	Dual AMD socket SP5 supporting AMD EPYC™ 9005/9004 Series processors, up to TDP 400W (*CPUs with TDP over 360W only supported under specific conditions.)
Memory	(24) DDR5 DIMM slots, 12 channels(1DPC), RDIMM/RIMM-3DS - Max. frequency 6400MT/s - Max. capacity per DIMM: RDIMM: 96GB / RDIMM-3DS: 256GB
Expansion Slots	Riser 1: (1) PCIe 5.0 x16 FHFL slot from CPU0 supports GPU card (1) PCIe 5.0 x16 FHFL slot (x8 signal) from CPU0 (1) PCIe 5.0 x16 FHHL slot (x8 signal) from CPU0 Riser 2: (1) PCIe 5.0 x16 FHFL slot from CPU1 supports GPU card (1) PCIe 5.0 x16 FHFL slot (x8 signal) from CPU1 (1) PCIe 5.0 x16 FHHL slot (x8 signal) from CPU1 Riser 3: (1) PCIe 5.0 x16 FHFL slot from CPU1 supports GPU card
Networking	(2) 1000Base-T Ethernet Ports (Intel® I350AM2)
Storage	(12) Hot-swap 3.5"/2.5" drive bays support (8) SATA 3.0/SAS + (4) U.2 PCIe 4.0 NVMe * SAS card is required for SAS device support (2) M.2 2280 PCIe3.0 x2 ports from CPU0
Security	(1) TPM header with SPI interface supports TPM2.0
Server Management	AST2600 with dual BMC supports IPMI and Redfish (1) 1000Base-T Dedicated Server Management Port Dual BIOS and BMC, (1) MicroSD card slot for BMC log
Front I/O	(12) Hot-swap 3.5"/2.5" drive bays (1) USB 3.0 Type-A Port (1) USB 2.0 Type-A Port (1) VGA D-Sub Port (1) System Power LED button (1) UID LED button (1) Reset button (4) Status LEDs: Fault/LAN/M.2
Rear I/O Ports	(2) 1000Base-T Ethernet ports (1) 1000Base-T Dedicated Server Management port (2) USB 3.0 Type-A port (1) VGA D-Sub port (1) COM RJ45 port (1) UID LED button
Power Supply	(1+1) Redundant 2000W CRPS 80+ Platinum

Environmental	System Operating Temperature: 0°C ~ 35°C
	Non-operating Temperature: -20°C ~ 70°C
	Non-operating Relative Humidity: 5% to 85%
	(non-condensing)
Dimension (D x W x H)	438mm (17.2") Wx 87mm (3.4") Hx 770mm (30.3") D



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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