

VANTAGEO 11T1

Flexible, Scalable, and Secure



- High storage throughput with full PCIe Gen5 NVMe backplane
- Future-ready networking and modular serviceability in 1U form factor
- Optimized for AI/ML, virtualization, databases, and analytics
- Optional TPM 2.0 and Hardware Root of Trust
- Dual BIOS and Dual BMC for high reliability

1U Single-Socket AMD SP5 Enterprise Server Platform with All-NVMe Flash Storage

Vantageo 11T1 Series enterprise server features a single-socket AMD EPYC 9005/9004 Series processor, optimized for maximum memory capacity and high-TDP performance. It supports up to 12 U.2 NVMe drive bays and PCIe Gen 5.0, built on the DC-MHS architecture

This 1U rack server, built on the DC-MHS (Data Center Modular Hardware System) architecture, is engineered for high-density performance and next-generation data center workloads. It is powered by a single AMD EPYC™ 9004/9005 Series processor with TDP support of up to 500W, delivering exceptional compute capability for demanding applications.

The system supports 24 DDR5 RDIMM slots across 12 memory channels (2DPC), enabling memory speeds of up to 5200 MT/s in 1DPC and 4400 MT/s in 2DPC configurations for superior bandwidth and scalability.

Applications

- Cloud Computing Service
- Content Delivery Network
- Network Function Virtualization

Technical details

Processor	Single AMD EPYC™ 9005/9004 Series processor, up to TDP 500W
Memory	(24) DDR5 DIMM slots, 12 channels (2DPC), RDIMM/RDIMM-3DS - Max. Frequency 5200MT/s - Max. Capacity per DIMM: 256GB
Expansion Slots	(1) PCIe 5.0 x16 FHHL single wide slot (1) PCIe 5.0 x16 HHHL single wide slot
Networking	(2) PCIe 5.0 x16 OCP3.0 slots (NCSI supported)
Storage	(12) Front hot-swap 2.5" U.2 PCIe 5.0 x4 NVMe drive bays (2) 2280/22110 PCIe 3.0 x2 NVMe M.2 ports
Server Management	(1) 1000Base-T Dedicated Server Management port ASPEED AST2600 with AMI MegaRAC based firmware supporting IPMI 2.0 and DMTF Redfish API Dual BIOS and dual BMC eMMC for local BMC storage media
Security	Chassis intrusion TPM2.0 module supported (optional) ASPEED AST1060 Hardware Root of Trust module supported (optional)
Front I/O	(12) Hot-swap 2.5" U.2 drive bays (1) USB 3.0 Type-A port (1) USB 2.0 Type-A port (1) System Power LED button (1) UID LED button (1) Reset button (4) Status LEDs: Fault/LAN/M.2
Rear I/O	(1) 1000Base-T Dedicated Server Management port (1) COM USB Type A port (1) USB 2.0 Type-A port (1) Mini Display port (1) Power LED (Green) button (1) UID LED (Blue) button (1) Status LEDs: Green/Red
Power Supply	(1+1) Redundant 1500W MCRPS 80 Plus Titanium
Dimensions (W x H x D)	438.5mm (17.2") Wx 43mm (1.7") Hx 770mm (30.3") D
Environmental	System Operating Temperature: 0°C ~ 35°C Non-operating Temperature: -20°C ~ 70°C Non-operating Relative Humidity: 5% to 85% (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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