

Vantageo 22T1-RT Server

Flexible, Scalable, and Secure



The Vantageo 22T1-RT Server is a versatile 2U 2S server designed for high-performance computing (HPC), GPU, and enterprise data centers, AI applications. It features dual AMD SP5 sockets, supporting the latest EPYC 9005 / 9004 processors. This robust configuration makes it ideal for demanding computational tasks and AI workloads.

Key Features

- Dual AMD SP5 sockets: Supports EPYC 9005 / 9004 processors.
- Memory Capacity: (12+12) DDR5 DIMM slots supporting DDR5-6000 RDIMM/LRDIMM up to 6,144GB.
- (2) Full-Height, 10.5" Long PCIe 5.0 x16 slots.
- (2) Half-Height / Half-Length PCIe 5.0 x16 slots.
- (24) 2.5" hot-swap, tool-less NVMe U.2 slots for high-speed storage solutions.
- (2) 10GBase-T LAN ports.
- (1) 1000Base-T dedicated IPMI port for remote management.
- Integrated AST2600 BMC with IPMI 2.0 & Redfish support for advanced server management.
- Dual 2,700W hot-swap CRPS with 80+ Titanium efficiency, ensuring reliable power delivery and energy efficiency.

Technical details

Vantageo 22T1-RT

Form Factor	2U Rackmount	
CPU	(2) AMD EPYC™ 9004/9005 Series Processors	
Thermal Design Power Wattage	Max up to 500W* (TDP)	
Q'ty / Socket Type	(2) AMD Socket SP5	
Supported DIMM Qty	(12)+(12) DIMM slots	
DIMM Type / Speed	3DS RDIMM DDR5 6000MHz / RDIMM DDR5 6000MHz	
Capacity	Up to 6,144GB RDIMM DDR5 6000 memory	
Memory channel	12 Channels per CPU	
Memory voltage	1.1V	
Expansion Slots	(2) FH/FL PCIe 5.0 x16 slots /(2) FH/FL PCIe 5.0 x16 slots	
LAN	(2) 10GbE ports + (1) GbE dedicated for IPMI Intel X550-AT2	
Storage NVMe	(12) SFF-TA-1016 (MCIO 8x) for (24) front NVMe	
Graphic	D-Sub 15-pin Up to 1920x1200 Aspeed AST2600	
I/O Port	USB	(2) USB3.2 Gen.1 ports (@ front) / (2) USB3.2 Gen.1 ports (@ rear)
	VGA	(1) D-Sub 15-pin port
	RJ-45	(2) 10 GbE ports + (1) dedicated GbE for IPMI
	Button	ID Button / Power Button / Reset Button
System Monitoring	Aspeed AST2600 Monitors temperature for CPU & memory & system environment Monitors voltage for CPU, memory, chipset & power supply Over temperature warning indicator / Fan & PSU fail LED indicator / Over voltage warning indicator	
Server Management	Onboard Aspeed AST2600 24-bit high quality video compression / Supports storage over IP and remote platform-flash / USB 2.0 virtual hub IPMI 2.0 compliant baseboard management controller (BMC) / 10/100/1000 Mb/s MAC interface	
BIOS	Hardware Monitor / FAN speed control automatic / Boot from USB device/PXE via LAN/Storage / Console Redirection / SMBIOS 3.5/PnP/Wake on LAN / ACPI 6.4 / ACPI sleeping states S0, S5	

Front Panel	Buttons	(1) PWR w/ LED / (1) UID / (1) RST	
	LEDs	(1) ID / (2) LAN / (1) Warning	
		(2) USB 3.2 Gen.1 ports	
External Drive Bay		(24) 2.5" Hot-Swap NVMe	
		(24) NVMe U.2	
		NVMe	
System Cooling Configuration		(6) 6cm hot-swap middle fans	
Power Supply	Type	CRPS	
	Input Range	AC 100-127V/14A / AC 200-240V/15.5A	
	Frequency	50/60 Hz	
	Output Watts	2,700 Watts	
	Efficiency	80 plus Titanium	
	Redundancy	1+1	
	Serviceability	Hot-swap	
Operating Environment	Operating Temp.	10° C ~ 35° C (50° F~ 95° F)	
	Non-operating Temp.	- 40° C ~ 70° C (-40° F ~ 158° F)	
	In/Non-operating Humidity	90%, non-condensing at 35° C	
Dimension (D x W x H)		33.46" x 17.63" x 3.43" (850 x 448 x 87mm)	

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.

Disclaimer: Technical data is subject to modification and delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner.