

Vantage 15E0-W1 Workstation

Flexible, Scalable, and Secure



The Vantage 15E0-W1 is a high-performance workstation built for Intel Xeon W-series processors on the LGA 4677 socket with the Intel W790 chipset. Designed for demanding workloads like CAD, rendering, AI, and data science, it supports up to 8 DDR5 RDIMM memory slots in an 8-channel architecture and offers multiple PCIe Gen5 and Gen4 slots for GPUs and expansion cards. It features dual 10 GbE LAN ports, a dedicated management LAN, onboard BMC with ASPEED AST2600 for remote monitoring, and versatile storage options including M.2 and SlimSAS ports. With enterprise-grade reliability, robust I/O, and remote management capabilities, the ideal for professional workstations and compute-intensive environments, though users have noted that careful BIOS configuration and compatible hardware selection are essential for optimal performance.

Key Specifications:

Intel® Xeon® W-3500/3400 Processors

Intel® Xeon® W-2500/2400 Processors

Single processor, LGA 4677

8-Channel DDR5 RDIMM, 8 x DIMMs

Intel® W790 Chipset

2 x 10Gb/s LAN ports via Intel® X710-AT2

2 x SlimSAS connectors for 8 x SATA 6Gb/s

2 x M.2 slots with PCIe Gen4 x4 interface

5 x PCIe Gen5 x16 expansion slots

2 x PCIe Gen4 x16 expansion slots

Technical details

Vantageo 15E0-W1 Details

Form Factor	CEB (W304.8 x D266.7 mm)
CPU	Intel® Xeon® W-3500/3400 Processors Intel® Xeon® W-2500/2400 Processors* Single processor, TDP up to 385W
Socket	1 x LGA 4677 (Socket E)
Chipset	Intel® W790 Chipset
Memory	8-Channel DDR5 memory, 8 x DIMM slots* RDIMM up to 64GB; 3DS RDIMM up to 256GB supported Memory speed: up to 4800 MT/s
LAN	2 x 10Gb/s LAN ports (Intel® X710-AT2) - Support NCSI function 1 x 10/100/1000 Management LAN
Video	Integrated in ASPEED® AST2600 - 1 x VGA port
Audio	Realtek® ALC897 HD Audio Codec Supports 2/4/5.1/7.1 channel configurations 3 x Audio Jacks (Audio in/Audio out/Mic)
Storage Interface	2 x SlimSAS connectors for 8 x SATA 6Gb/s 2 x M.2 slots:M-key, PCIe Gen4 x4, supports 2280 cards
Drive Bay	External : 3 x 5.25" & 1 x 3.5" Internal : 2 x 3.5" (or 4 by adding an option 2-bay 3.5" drive cage)
RAID	Intel® SATA RAID 0/1/10/5
Expansion Slots	5 x PCIe x16 (Gen5 x16) slots 2 x PCIe x16 (Gen4 x16) slots
Rear I/O	1 x USB 3.2 Gen2x2 (Type-C), 3 x USB 3.2 Gen2x1 (Type-A), 1 x VGA, 1 x COM, 2 x RJ45, 1 x MLAN, 3 x Audio jacks
Internal I/O	1 x CPU fan header, 6 x System fan headers, 2 x USB 3.2 Gen1 header, 1 x Front audio header, 1 x PMBus connector, 1 x Clear CMOS jumper, 2 x SlimSAS ports, 1 x Front panel header, 1 x Backplane board header, 1 x TPM header, 1 x VROC header
TPM	1 x TPM header with SPI interface (Optional TPM2.0 kit: CTM010)
OS Compatibility	CentOS Stream 9, Debian 11.5.0, Red Hat Enterprise Linux 9.0, Ubuntu 22.04 LTS, Windows 11 Enterprise (x64)
PSU Connectors	1 x 24-pin ATX main power connector 2 x 8-pin ATX 12V power connectors
Dimensions (W x D x H)	427mm x 505 mm x 177 mm
Power Supply	500/800/1200/1600 watts RPS
Operating Properties	Operating temperature: 10°C to 40°C Operating humidity: 8-80% (non-condensing) Non-operating temperature: -40°C to 60°C Non-operating humidity: 20%-95% (non-condensing)

Technical details

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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