

# Vantage 15N0-WG Workstation

Flexible, Scalable, and Secure



The Intel Xeon E-2300 processors offer 10 new processor varieties, including options with 4, 6, or 8 cores, and thermal design points (TDPs) ranging from 65W up to 95W. With Intel® Turbo Boost Technology frequencies as high as 5.1 GHz, and memory speeds up to 23 percent faster than the prior generation, these new processors outperform the prior Intel Xeon E processor by up to 17 percent. And when coupled with Intel® C250 Series Chipsets, this platform offers more I/O bandwidth and speed across options including new PCIe 4.0, more lanes of PCIe 3.0, USB 3.2 with new 2x2 (20 Gb), and SATA 3.0 support.

## Key Specifications:

Single Intel® Xeon® E-2300 Processor

Intel® C252 Chipset

Dual Channel UDIMM DDR4, 4 x DIMMs

2 x 1Gb/s LAN ports via Intel® I210-AT

6 x SATA 6Gb/s ports

1 x M.2 slot with PCIe Gen3 x4 interface

2 x PCIe Gen4 x16 and x4 expansion slots

## Optional TPM 2.0 Module

- For hardware-based authentication, the passwords, encryption keys, and digital certificates are stored in a TPM module to prevent unwanted users from gaining access to your data. Vantageo TPM modules come in either a Serial Peripheral Interface or Low Pin Count bus.

Technical details

Vantageo 15N0-WG Details

CPU	Intel® Xeon® E-2300 Processor 10th Gen Intel® Pentium® Processor TDP up to 95W
Socket	1 x LGA 1200 Socket H5
Chipset	Intel® C252
Memory	4 x DIMM slots DDR4 memory supported only Dual channel memory architecture ECC UDIMM supported Total capacity up to 128GB Memory speed: 3200/2666 MT/s
LAN	2 x 1Gb/s LAN ports (2 x Intel® I210-AT) 1 x 10/100/1000 Mbps Management LAN
Video	Integrated in Aspeed® AST2500 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp
Audio	N/A
Storage Interface	PCH: - 6 x SATA 6Gb/s ports
RAID	Intel® SATA RAID 0/1/10/5
Expansion Slots	1 x PCIe x16 (Gen4 x16) slot, from CPU* 1 x PCIe x8 (Gen4 x4) slot, from CPU** 1 x M.2 slot: - M-key - PCIe Gen3 x4, from PCH - Supports 2242/2280 cards
Internal I/O	1 x 24-pin ATX main power connector 1 x 8-pin ATX 12V power connector 1 x CPU fan header 5 x System fan headers 1 x USB 3.2 Gen1 x2 header 1 x M.2 slot 6 x SATA connectors 1 x Front panel header 1 x Backplane board connector 1 x COM header 1 x PMBus header 1 x IPMB header 1 x TPM header

Technical details

HDD Bays	4/8 x 3.5" Non Hot swappable HDD Bays
Rear I/O	2 x USB 3.2 Gen2x1 4 x USB 2.0 1 x VGA 1 x COM 2 x RJ45 1 x MLAN 1 x ID button with LED
TPM	1 x TPM header with SPI interface Optional TPM2.0
OS Supported	Red Hat Enterprise Linux 6.9 (x64) Red Hat Enterprise Linux 7.3 (x64) SUSE Linux Enterprise Server 11.2 (x64) SUSE Linux Enterprise Server 12.2 (x64) Ubuntu 16.04.6 LTS (x64) Ubuntu 18.04.2 LTS (x64) VMware 6.5 Windows Server 2016 (x64) Windows Server 2019 (x64)
Board Management	Aspeed® AST2500 management controller AMI MegaRAC SP-X Solution Web interface <ul style="list-style-type: none"><li>• Dashboard</li><li>• JAVA Based Serial Over LAN</li><li>• HTML5 KVM</li><li>• Sensor Monitor (Voltage, RPM, Temperature, CPU Status ...etc.)</li><li>• Sensor Reading History Data</li><li>• FRU Information</li><li>• SEL Log in Linear Storage / Circular Storage Policy</li><li>• Hardware Inventory</li><li>• Fan Profile</li><li>• System Firewall</li><li>• Power Consumption</li><li>• Power Control</li><li>• LDAP / AD / RADIUS Support</li><li>• Backup &amp; Restore Configuration</li><li>• Remote BIOS/BMC/CPLD Update</li><li>• Event Log Filter</li><li>• User Management</li><li>• Media Redirection Settings</li><li>• PAM Order Settings</li><li>• SSL Settings</li><li>• SMTP Settings</li></ul>
Power Supply	550W/ 600W/800W/1000W Redundant Power Supply

Technical details

PSU Connectors	1 x 24-pin ATX main power connector 1 x 8-pin ATX 12V power connector
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Operating Properties	Operating temperature: 0°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)
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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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