



Datasheet

Vantageo 15P0-WS

1. Intel® Xeon® W-3400 series, W-2400 series, W-3500 series, W-2500 series processors, Single Socket Socket E (LGA-4677) supported, Up to 60 CPU cores and a thermal design power (TDP) of up to 385W.
2. Intel® W790
3. Up to 2TB RDIMM 3DS, 512GB ECC RDIMM; DDR5-4800MT/s (1DPC)/4400MT/s (2DPC), in 8 DIMM slots
4. 3 PCIe 5.0 x16 Slots, support up to 3 Single Width/2 Double Width/2 Triple Width GPU cards
PCIe 4.0 x4 Slots
5. **M.2 Interface:** 2 PCIe 5.0 x4, **M.2 Form Factor:** 2280/22110, **M.2 Key:** M-Socket (w/o heat sink)
6. 1GbE LAN port with Intel® Ethernet Controller I210-AT. 10GbE LAN with Marvell AQC113
7. 6 SATA 3 (6Gb, RAID 0, 1, 5, 10)
8. IPMI Supported
9. Overclocking Supported (optional)
10. Power Supply 750W/1000W/1200W/1600W Power Supply

SPECIFICATIONS

Chassis

Form Factor	Mid Tower Chassis	Model	15P0-WS
Drive Bays	Mid Tower 4 x 3.5"/ 8 x 3.5" HDD Bays		

Processor / Cache

CPU	<ul style="list-style-type: none"> Intel®Xeon® W-3400, W-2400, W-3500 and W-2500 Series Processors Single Socket E (LGA-4677) supported, CPU TDP supports Up to 385W TDP
Cores / Cache	<ul style="list-style-type: none"> Up to 60 cores

Power Supply

750W/1000W/1200W/1600W Power Supply

System Memory

Memory Capacity	<ul style="list-style-type: none"> 8 DIMM slots Up to 2TB 3DS ECC Registered RDIMM, DDR5-4800MT/s 	DIMM Sizes	<ul style="list-style-type: none"> 16GB, 32GB, 64GB, 128GB, 256GB RDIMM: 16GB, 32GB, 64GB, 128GB, 256GB
Memory Type	<ul style="list-style-type: none"> 4800/4400 MT/s ECC DDR5 RDIMM (3DS) Up to 2TB 3DS ECC RDIMM, 512GB ECC RDIMM; DDR5-4800MT/s(1DPC)/4400MT/s(2DPC), with Intel Xeon W-2400 series processor in 8 DIMM slots. 	Memory Voltage	<ul style="list-style-type: none"> 1.1V

Expansion Slots

PCI - Express	<ul style="list-style-type: none"> 1 PCIe 4.0 x4, 3 PCIe 5.0 x16 	M.2	<ul style="list-style-type: none"> M.2 Interface: 2 PCIe 5.0 x4, RAID 0 & 1 Form Factor: 22110, 2280 Key: M-Key
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On-Board Devices

Chipset	<ul style="list-style-type: none"> Intel® W790 	Network Controller	<ul style="list-style-type: none"> Single LAN with Intel® Ethernet Controller I210-AT, 1x 1GbE LAN Port with Intel i210AT, share with IPMI Single LAN with Marvell AQC113, 1x 10GbE RJ45 LAN port with AQC113C
SATA	<ul style="list-style-type: none"> Intel® W790 controller for 6 SATA3 (6 Gbps) ports; RAID 0, 1, 5, 10 		
AUDIO	<ul style="list-style-type: none"> ALC 888S HD Audio 		

SPECIFICATIONS

Input / Output

SATA	10 SATA3 (6Gbps) port	TPM	• TPM Header
USB	<ul style="list-style-type: none"> • 2 USB 2.0 port(s) (2 via header) • 2 USB 3.2 Gen2x2 port(s) (1 rear type C; 1 via header) • 4 USB 3.2 Gen2x1 port(s) (4 rear type A) • 2 USB 3.2 Gen1x1 port(s) (2 via header) 	Serial Port / Header	• 1 COM Ports (1 rear)
Video Output	• 1 VGA port(s) IPMI only	LAN	• 2 RJ45 Gigabit Ethernet LAN ports

System BIOS

BIOS Type	• 32MB SPI Flash with AMI BIOS	Bios Features	<ul style="list-style-type: none"> • ACPI 6.0, Plug and Play (PnP) • BIOS rescue hot keys • Riser card auto-detection support • SMBIOS 3.0 or later
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Management

Software	• SuperCloud Composer®, Server Manager (SM), Power Manager (PM), Update Manager , SuperDoctor® 5 (SD5), Super Diagnostics Offline (SDO), Thin-Agent Service (TAS), Server Automation Assistant (SAA) New!, Plug-ins for 3rd Party Software, IPMI Utilities
Power Configuration	• Power-on mode for AC power recovery, ACPI Power Management, Power button override mechanism

Operating Environment

Environmental Spec.	<ul style="list-style-type: none"> • Operating Temperature: 0°C - 50°C (32°F - 122°F) • Non-operating Temperature: -40°C - 70°C (-40°F - 158°F)
Hardware .	• Trusted Platform Module (TPM) 2.0

PC Health Monitoring

Voltage	• +1.8V, +12V, +3.3V, +5V, +5V standby, 3.3V standby, 7-fan status, Chassis intrusion header, HT, Monitors CPU voltages, Supports system management utility, VBAT	LED	• CPU / System Overheat LED, UID/Remote UID, Suspend static indicator LED
Temperature	• CPU thermal trip support, PECI		
Other Features	• ACPI power management, Control of power-on for recovery from AC power loss, CPU thermal trip support for processor protection, M.2 NGFF connector, RoHS, UID, WOL		

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