



Datasheet

Vantageo 15N0-W

Key Features

- 90° Rotatable HDD Cage
- Whisper-Quiet (<21dB)
- Kensington Lock Support
- Front I/O Ports: 2x Audio (HD/AC97) & 2x USB 3.0 & 2x USB 2.0
- 2x 5.25" External HDD Drive Bays & 4x 3.5" Internal HDD Drive Bays
- 1x Optional Front 12cm (1850 RPM) PWM Fan
- Mid-Tower Chassis Supports Micro-ATX Motherboard, Sizes E-ATX/ATX/Micro ATX
- 500W Bronze Level Certified High-Efficiency Power Supply
- 1x Rear 12cm (1850 RPM) PWM Fan

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1. 10th Generation Intel® Core™ i9/Core™ i7/Core™ i5/Core™ i3/Pentium®/Celeron® Processor, Intel® Xeon® W-1200 Processors Single Socket LGA-1200 (Socket H5) supported, CPU TDP supports Up to 125W TDP
 2. Intel® W580
 3. Single LAN with Intel® PHY I219LM LAN controller for AMT/vPro Single LAN with Intel® Ethernet i225V
 4. 128GB Unbuffered ECC/non-ECC UDIMM, DDR4-2933MHz, in 4 DIMM slots
 5. 2 PCI-E 4.0 x16 slots (16/NA or 8/8), 2 PCI-E 3.0 x1 1 - 5V PCI 32bit M.2 Interface: 1PCI-E 4.0 x4, and 2 PCI-E 3.0 x 4 RAID 0 & 1 M.2 Form Factor: 2280/22110 M.2 Key: M-Key
 6. Intel® W580 controller for 4 SATA3 (6 Gbps) ports; RAID 0,1,5,10
 7. 1 DP 1.4a port, 1 HDMI 2.0port, 1 DVI - D port
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SPECIFICATIONS

Chassis

Form Factor | Mid Tower Chassis

Model | **15N0-W**

Processor / Cache

CPU

- Intel® Xeon® W-1200 Processors, 10th Generation Intel® Core™ i9/Core™ i7/Core™ i5/Core™ i3/Pentium®/Celeron® Processor. Intel® Xeon® W-1200 Processors, Intel® Xeon® W-1300 Processors
- Single Socket LGA-1200 (Socket H5) supported, CPU TDP supports Up to 125W TDP

Cores / Cache

- Up to 10 cores

Dimensions

12" x 9.6" (30.48cm x 24.38cm)

System Memory

Memory Capacity

- 4 DIMM slots
- 128GB Unbuffered ECC/non-ECC UDIMM, DDR4-3200MHz

DIMM Sizes

- 2GB, 4GB, 8GB, 16GB, 32GB

Memory Type

- Up to 128GB 3200MHz

Memory Voltage

- 1.2V

Expansion Slots

PCI - Express

- 2 PCI-E 3.0 x 1
- 2 PCI-E 4.0 x16 slots (16/NA or 8/8), 1 - 5V PCI 32bit

M.2

- M.2 Interface: 1 PCI-E 4.0 x4, RAID 0 & 1; 2 PCI-E 3.0 x4
- Form Factor: 2280, 22110
- Key: M-Key
- RAID 5 only applied for INTEL Storage Device

On-Board Devices

Chipset

- Intel® W580

Audio

- ALC 888S HD Audio

SATA

- Intel® W580 controller for 6 SATA3 (6 Gbps) ports; RAID 0,1,5,10

Network Controller

- Single LAN with Intel® Ethernet i225V
- Single LAN with Intel® PHY I219LM LAN controller, for AMT/vPro

SPECIFICATIONS

Input / Output

USB <ul style="list-style-type: none"> • 4 USB 3.2 Gen2 port(s) (4 rear type A) • 2 USB 3.2 Gen1 port(s) (2 via header) • 2 USB 2.0 port(s) (2 via header) • 2 USB 3.2 Gen2x2 port(s) (1 rear type C; 1 via header) 	TPM <ul style="list-style-type: none"> • TPM Header
Video Output <ul style="list-style-type: none"> • 1 DP 1.4a port(s), 1 HDMI 2.0 port(s), 1 DVI - D port(s) 	Serial Port / Header <ul style="list-style-type: none"> • 1 COM Port(s) (1 header)
	LAN <ul style="list-style-type: none"> • 1 RJ45 Gigabit Ethernet LAN ports • 1 RJ45 2.5 Gigabit Ethernet LAN port

System BIOS

BIOS Type 256MB 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 <ul style="list-style-type: none"> • SuperDoctor® 5, SUM, SSM, AMT, vPro, Watchdog 	Power Configuration <ul style="list-style-type: none"> • Power-on mode for AC power recovery, ACPI Power Management, Power supply monitoring, Power button override mechanism, Wake-on-LAN
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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) • Operating Relative Humidity: 8% to 90% (non-condensing) • Non-operating Relative Humidity: 5% to 95% (non-condensing)
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PC Health Monitoring

Voltage <ul style="list-style-type: none"> • VBAT, System temperature, PCH temperature, Memory temperature, CPU temperature, 3.3V standby, 1.05 (PCH), +5V standby, +5V, +3.3V, +12V, VRM temperature, LAN temperature, CPU thermal trip support, +1.8V PCH, +1.0V PCH 	LED <ul style="list-style-type: none"> • Power LED BMC/IPMI Heartbeat LED Catastrophic Error LED
Fan <ul style="list-style-type: none"> • 5x 4-pin fan headers (up to 5 fans) • Fan speed control • Overheat LED indication 	
Other Features <ul style="list-style-type: none"> • WOL, RoHS, CPU thermal trip support for processor protection, Control of power-on for recovery from AC power loss, Chassis intrusion detection, ATX Power connector, ACPI power management, 8-pin 12v DC power connector 	

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