



Datasheet

Vantageo 25HD-C

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
- 900W Gold Level Certified High-Efficiency Power Supply
- 1x Optional Front 12cm (1850 RPM) PWM Fan
- Mid-Tower Chassis Supports Micro-ATX Motherboard, Sizes □ E-ATX/ATX/Micro ATX
- 2x 5.25" External HDD Drive Bays & 4x 3.5" Internal HDD Drive Bays
- 1x Rear 12cm (1850 RPM) PWM Fan

1. 2nd Gen Intel® Xeon® Scalable Processors and Intel® Xeon® Scalable Processors Dual Socket LGA-3647 (Socket P) supported, CPU TDP support Up to 205W TDP, 2 UPI up to 10.4 GT/s
2. Intel® C622
3. Up to 4TB 3DS ECC RDIMM, DDR4-2933MHz; Up to 4TB 3DS ECC LRDIMM, DDR4-2933MHz Or 2TB Intel© PMem, DDR4-2666MHz, in 16 DIMM slots; Up to 2TB Intel® Optane □ DC Persistent Memory in memory mode (Cascade Lake only)
4. 4 PCI-E 3.0 x16, 2 PCI-E 3.0 x8, 2 PCI-E 3.0 NVMe x4 Internal Port(s) M.2 Interface: PCI-E 3.0 x4 M.2 Form Factor: 2260, 2280, 22110 M.2 Key: M-Key
5. 1 VGA port
6. Intel® C622 controller for 14 SATA3 (6 Gbps) ports; RAID 0,1,5,10
7. Dual LAN with 10GBase-T with Intel® X722 + X557

SPECIFICATIONS

Chassis

Form Factor Mid Tower Chassis

Model 25HD-C

Processor / Cache

CPU

- 2nd Gen Intel® Xeon® Scalable Processors and Intel® Xeon® Scalable Processors
- Dual Socket LGA-3647 (Socket P)supported, CPU TDP support Up to 205W TDP, 2 UPI up to 10.4 GT/s

Cores • Up to 28 Cores

Note • BIOS version 3.0a or above is required to support 2nd Generation Intel Xeon Scalable Processors-SP

Dimensions

12" x 13" (30.48cm x 33.02cm))

System Memory

Memory Capacity

- Up to 4TB 3DS ECC RDIMM, DDR4- 2933MHz; Up to 4TB 3DS ECC LRDIMM, DDR4-2933MHz
- Or 2TB DCPMM, DDR4-2666MHz, in 16 DIMM slots;
- Up to 2TB Intel® Optane™ DC Persistent Memory in memory mode (Cascade Lake only)

Memory Type

- 2933/2666/2400/2133MHz ECC 4 RDIMM, LRDIMM

DIMM Sizes

- RDIMM: 64GB
- LRDIMM: 128GB
- 3DS LRDIMM: 256GB

Memory Voltage

- 1.2V

Error Detection

- Corrects single-bit errors
- Detects double-bit errors (using ECC memory)

Expansion Slots

PCI - Express

- 4 PCI-E 3.0 x16
- 2 PCI-E 3.0 x8

M.2

- M.2 Interface: PCI-E 3.0 x4
- Form Factor: 2260, 2280, 22110
- Key: M-Key

On-Board Devices

Chipset

Intel® C622 chipset

Network Controllers

Dual LAN with 10GBase-T with Intel® X722 + X557

IPMI

- ASPEED AST2500

SATA

Intel® C622 controller for 14 SATA3 (6 Gbps) ports; RAID 0,1,5,10

Graphics ASPEED AST2500 BMC

SPECIFICATIONS

Input / Output

| | |
|---|---|
| <p>SATA 14 SATA3 (6Gbps) port</p> <hr/> <p>USB • 4 USB 2.0 ports (2 rear + 2 via headers)</p> <p> • 5 USB 3.2 Gen1 ports (2 rear + 2 via headers + 1 Type A)</p> <hr/> <p>VGA 1 VGA port</p> | <p>TPM • 1 TPM Header</p> <hr/> <p>Serial Port/ Header • 2 COM Ports (1 rear, 1 header)</p> <hr/> |
|---|---|

System BIOS

BIOS Type AMI UEFI

Management

Software • Intel® Node Manager, IPMI2.0, KVM with dedicated LAN, SPM, SSM, SUM, SuperDoctor® 5, Watchdog

Operating Environment

Environmental Spec.

- Operating Temperature: 10°C - 35°C (50°F - 95°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)

PC Health Monitoring

| | | | |
|--|--|---|---|
| <p>Voltage</p> <hr/> <p>FAN</p> <hr/> <p>Other Features</p> | <p>• +12V, +3.3V, +5V, +5V standby, 3.3V standby, Monitors CPU voltages</p> <hr/> <p>• 8x 4-pin fan headers (up to 8 fans), PWM fan speed control</p> <hr/> <p>• ACPI power management, ATX Power connector, Chassis intrusion detection, Chassis intrusion header, Control of power-on for recovery from AC power loss, CPU thermal trip support for processor protection, NCSI header, Node Manager Support, RoHS, SDDC, UID</p> | <p>LED</p> <hr/> <p>Temperature</p> <hr/> | <p>• CPU / System Overheat LED, UID/Remote UID, BMC/IPMI Heartbeat LED, Power LED</p> <hr/> <p>• CPU thermal trip support, Monitoring for CPU and chassis environment, PECI</p> |
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