Datasheet
Vantageo 25HH-C

Key Features

- 8x 3.5"/2.5" SAS/SATA Backplane for Hot-Swappable drives
- Front HDD Door Lock & Side Panel Intrusion Switch
- Front I/O Ports: 2x USB 3.0
- 3x Middle 8cm (5000 rpm) PWM Fans & 2x 8cm (5000 rpm) PWM Fans
- 4U / Full Tower Chassis Supports max. Motherboard, Sizes E-ATX 13.68" x 13" ATX/Micro ATX
- 920W Redundant Platinum Level Certified High- Efficiency Class-B Power Supply
- 3x 5.25" External HDD Drive Bays & 8x 3.5"/2.5" Hot- Swappable HDD Drives

1. 2nd Gen Intel® Xeon® Scalable Processors and Intel® Xeon® Scalable Processors Dual Socket LGA-3647 (Socket P) supported, CPU TDP support Up to 140W TDP, 2 UPI up to 10.4 GT/s
2. Intel® C621
3. Up to 2TB 3DS ECC RDIMM, DDR4-2933MHz; Up to 2TB 3DS ECC LRDIMM, DDR4-2933MHz in 8 DIMM
4. 2 PCI-E 3.0 x16, 3 PCI-E 3.0 x8, 1 PCI-E 3.0 x4 (in x8 slot) M.2 Interface: 1 SATA/PCI-E 3.0 x4 M.2 Form Factor: 2260, 2280 M.2 Key: M-Key
5. 1 VGA port
6. Intel® C621 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10
7. Dual LAN with 1GBE LAN with Intel® X722 + Marvell 88E1512

SPECIFICATIONS

Chassis

Form Factor	4U Chassis	Model	**25HH-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 140W TDP, 2 UPI up to 10.4 GT/s

Dimensions

12.076" x 10.15" (30.67cm x 25.78cm)

System Memory

Memory Capacity
- Up to 2TB 3DS ECC RDIMM, DDR4- 2933MHz; Up to 2TB 3DS ECC LRDIMM, DDR4-2933MHz, in 8 DIMM Slots

Memory Type
- 2933/2666/2400/2133MHz ECC DDR4 RDIMM, LRDIMM

Memory Voltage
- 1.2V

DIMM Sizes
- RDIMM: 64GB
- LRDIMM: 128GB
- 3DS LRDIMM: 128GB, 256GB

Error Detection
- Corrects single-bit errors

Expansion Slots

PCI - Express
- 2 PCI-E 3.0 x16
- 3 PCI-E 3.0 x8

M.2
- M.2 Interface: 1 SATA/PCI-E 3.0 x4
- Form Factor: 2260, 2280
- Key: M-Key

On-Board Devices

Chipset
- Intel® C621

SATA
- Intel® C621 controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10

IPMI
- ASPEED AST2500

Network Controller
- Dual LAN with 1GbE with Intel® X722 + Marvell 88E1512

Graphics
- Aspeed AST2500 BMC

SPECIFICATIONS

Input / Output

SATA	10 SATA3 (6Gbps) port
USB	• 4 USB 2.0 ports (2 rear + 2 via headers) • 3 USB 3.2 Gen1 ports (2 via headers + 1 Type A)
VGA	1 VGA port
TPM	• 1 TPM Header
Serial Port / Header	• 1 COM Ports (1 header)
LAN	• 2 RJ45 Gigabit Ethernet LAN ports

System BIOS

BIOS Type	AMI UEFI

Management

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

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

Voltage	• +12V, +3.3V, +5V, +5V standby, 3.3V standby, Monitors CPU voltages, 8 -fan status, Chassis intrusion header, Supports system management utility	LED	• CPU / System Overheat LED, UID/Remote UID
FAN	• 8x 4-pin fan headers (up to 8 fans), PWM fan speed control, Overheat LED	Temperature	• CPU thermal trip support, PECI
Other Features	• 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		

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