



Datasheet

Vantageo 22HH-C

Key Features

- 2U chassis supports for maximum motherboard sizes - 13.68" x 13", E-ATX 12" x 13", ATX 12" x 10" motherboards
 - 8 x 3.5" hot-swap SAS3/SATA drive bay, 2 x 3.5" fixed drive bay
 - 8-port 2U SAS3 12Gbps TQ backplane, support up to 8x 3.5-inch SAS3/SATA3 HDD/SSD
 - 1U 800W Redundant Power Supply 76mm width, W/PMbus, Titanium
 - 7 low-profile expansion slot(s)
 - 3 x 80mm Hot-swap PWM Fans
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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 slots
 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 2U Chassis

Model **22HH-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 x25.78cm)

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

DIMM Sizes

Memory Voltage • 1.2V

Error Detection

- Corrects single-bit errors

Expansion Slots

PCI - Express • 2 PCI-E 3.0 x16
• 3 PCI-E 3.0 x8
• 1 PCI-E 3.0 x4 (in x8 slot)

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 chipset

Network Controllers Dual LAN with 1GBE-T with Intel® X722 + Marvell 88E1512

IPMI •ASPEED AST2500

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

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 headers + 1 Type A)

VGA 1 VGA port

TPM • 1 TPM Header

Serial Port / Header • 1 COM Port (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 Configurations

- 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), Overheat LED indication, PWM fan speed control

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, SDDC, UID

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