

H273-Z85-LAZ1



High Density Server - 2U 4-Node DP 8-Bay Gen5 NVMe/SATA/SAS-4 DLC

Key Features

- Direct liquid cooling solution
- 2U 4-node rear access server system
- Dual AMD EPYC™ 9005/9004 Series Processors per node
- 12-Channel DDR5 RDIMM, 24 x DIMMs per node
- Dual ROM Architecture
- 8 x 1Gb/s LAN ports via Intel® I350-AM2
- 8 x 2.5" Gen5 NVMe/SATA/SAS-4 hot-swap bays
- 4 x M.2 slots with PCIe Gen4 x4 interface **(optional)**
- 4 x LP PCIe Gen5 x16 slots
- 4 x OCP NIC 3.0 PCIe Gen5 x16 slots
- Dual 3600W 80 PLUS Titanium redundant power supply

Applications

High-Performance Computing Server, High Converged Server, Servers for Hybrid/Private Cloud...

Specification

| | | | |
|------------------|---|-----------------------|---|
| Dimensions | 2U 4-Node - Rear access (W440 x H87.5 x D877 mm) | PCIe Expansion Slots | 4 x LP PCIe Gen5 x16 4 x OCP NIC 3.0 PCIe Gen5 x16, Support NCSI |
| Motherboard | MZ83-HD2 | I/O Ports | Front: 1 x CMC status LED, 1 x CMC reset button Rear: 8 x USB 3.2 Gen1, 4 x Mini-DP, 8 x RJ45, 4 x MLAN |
| CPU | AMD EPYC™ 9005 Series Processors AMD EPYC™ 9004 Series Processors Dual processor per node, cTDP up to 500W | Backplane Board | PCIe Gen5 x4 or SATA 6Gb/s or SAS-4 24Gb/s |
| OS Compatibility | OS Support List | TPM | 4 x TPM headers (SPI), Optional TPM2.0 kit: CTM010 |
| Socket | 8 x LGA 6096 (Socket SP5) | Power Supply | Dual 3600W 80 PLUS Titanium redundant power supply AC Input: 200-240V *The system power supply requires SDG400 power cord. |
| Chipset | System on Chip | System Management | ASPEED® AST2600 Baseboard Management Controller ASPEED® AST2520 Chassis Management Controller GIGABYTE Management Console web interface |
| Memory | 12-Channel DDR5 RDIMM, 96 x DIMMs [EPYC 9005] Up to 6400 MT/s [EPYC 9004] Up to 4800 MT/s | System Fans | 4 x 80x80x80mm (16,900rpm) |
| LAN | 8 x 1Gb/s LAN (4 x Intel® I350-AM2), Support NCSI 4 x 10/100/1000 Mbps Management LAN | Operating Properties | Operating: 10°C~30°C, 8%-80% (non-condensing) Non-operating: -40°C~60°C, 20%~95% (non-condensing) |
| Video | Integrated in ASPEED® AST2600 x 4 - 4 x Mini-DP | Packaging Content | 1 x H273-Z85-LAZ1 4 x CoolIT CPU cold plate loops 1 x Mini-DP to D-Sub cable 1 x 3-Section Rail kit |
| Storage | Front hot-swap: 8 x 2.5" Gen5 NVMe/SATA/SAS-4 ^[1] Optional internal M.2: 4 x M.2 (2280/22110), PCIe Gen4 x4 ^[1] SAS card is required to support SAS drives. | Ordering Part Numbers | 6NH273Z85DR000LCZ1* |
| RAID | Require RAID add-in cards | Optional Parts | - M.2 expansion card - CMTP192: 9CMTP192NR-00* |



Learn more at: <https://www.gigabyte.com/Enterprise>

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