GIGABYTE™

H273-Z85-AAW1

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

AMD EPYC

Key Features

- 2U 4-node rear access server system
- Dual AMD EPYC™ 9004 Series Processors per node
- 12-Channel DDR5 RDIMM, 96 x DIMMs
- Dual ROM Architecture
- 8 x 1Gb/s LAN ports via Intel® I350-AM2
- 8 x 2.5" Gen5 NVMe/SATA/SAS-4 hot-swappable bays
- 4 x M.2 slots with PCIe Gen4 x4 interface (optional)
- 4 x LP PCIe Gen5 x16 slots
- 4 x OCP 3.0 Gen5 x16 slots
- Dual 3000W 80 PLUS Titanium redundant power supply

Application

High-Performance Computing Server, High Converged Server

Specification

Dimensions	2U 4-Node - Rear access (W438 x H87.5 x D877 mm)	**Internal I/O**	Per node: 1 x TPM header
Motherboard	MZ83-HD2	**Backplane Board**	Speed and bandwidth: PCIe Gen5 x4 or SATA 6Gb/s or SAS-4 24Gb/s
CPU	AMD EPYC™ 9004 Series Processors Dual processor per node, 5nm technology Up to 32 cores, 64 threads per processor cTDP up to 240W	**Security Modules**	1 x TPM header with SPI interface per node - Optional TPM2.0 kit: CTM012
Sock	2 x LGA 6096 per node (Socket SP5)	**Power Supply**	Dual 3000W 80 PLUS Titanium redundant power supply AC Input: 100-240V *The system power supply requires C19 power cord.
Chipset	System on Chip	**System Management**	ASPEED® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
Memory	Total 96 x DIMM slots (24 x DIMM slots per node) 12-Channel DDR5 memory architecture RDIMM up to 96GB supported; 3DS RDIMM up to 256GB supported Memory speed: Up to 4800 MT/s	**System Fans**	4 x 80x80x80mm (16,500rpm)
LAN	8 x 1Gb/s LAN ports (4 x Intel® I350-AM2) - Support NCSI function 4 x 10/100/1000 Mbps Management LAN	**Operating Properties**	Operating temperature: 10°C to 35°C Operating humidity: 8%-80% (non-condensing) Non-operating temperature: -40°C to 60°C Non-operating humidity: 20%-95% (non-condensing)
Video	ASPEED® AST2600 Integrated 2D Graphic Adapter Management chip: Integrated in ASPEED® AST2520A2-GP	**Packaging Content**	1 x H273-Z85-AAW1 8 x CPU heatsinks 1 x Mini-DP to D-Sub cable 1 x 3-Section Rail kit
Storage	Total 8 x 2.5" Gen5 NVMe/SATA/SAS-4 hot-swappable bays SAS card is required for SAS devices support	**Part Numbers**	Barebone package: 6NH273Z85DR000AAW1*
RAID	N/A		- 3-Section Rail kit: 25HB2-A66125-K0R - CPU heatsink: 25ST1-25320N-M1R/25ST1-25320Q-M1R - Mini-DP to D-Sub cable: 25CRN-200801-K1R - Power supply: 25EP0-230009-L0S - C19 power cord 125V/15A (US): 25CP1-018000-Q0R (optional) - C19 power cord 250V/16A (EU): 25CP3-01830H-Q0R (optional) - C19 power cord 125V/15A (JP): 25CPA-01830B-Q0R (optional) - M.2 expansion card - CMTP192: 9CMTP192NR-00 (optional)
Expansion Slots	4 x LP PCIe Gen5 x16 slots 4 x OCP 3.0 Gen5 x16 slots (supports NCSI function) Optional 4 x M.2 slots (CMTP192): M-key, PCIe Gen4 x4, supports 2280/22110 cards		
Rear I/O	Per node: 2 x USB 3.2 Gen1, 1 x Mini-DP, 2 x RJ45, 1 x MLAN		

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