

H273-Z80-AAW1 (Rev. 1.x)

High Density Server - AMD EPYC™ 9004 Server Processors -
2U 4-Node DP, 24-Bay Gen4 NVMe/SATA/SAS, 3000 W



Key Features

- 2U 4-node rear access server system
- Dual AMD EPYC™ 9004 Server Processors per node
- 12-Channel DDR5 RDIMM per CPU with 24 x DIMMs per node
- 8 x 1 Gb/s LAN ports via Intel® I350-AM2
- 24 x 2.5" Gen4 NVMe/SATA/SAS hot-swap bays
- 4 x M.2 slots with PCIe Gen4 x4 (optional)
- 8 x LP PCIe x16 slots with Gen5 x16 lanes
- 4 x OCP NIC 3.0 PCIe Gen5 x16 slots
- Dual 3000 W 80 PLUS Titanium redundant power supplies

Applications

High-Performance Computing Server, High Converged Server...

Specification

Dimensions	2U 4-Node - Rear access (W440 x H87.5 x D877 mm)	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
Motherboard	MZ83-HD0	Backplane Board	PCIe Gen4 x4 or SATA 6 Gb/s or SAS 12 Gb/s
CPU	AMD EPYC™ 9005 Server processors AMD EPYC™ 9004 Server processors Dual processors per node, cTDP up to 240 W	TPM	1 x TPM header (SPI), Optional TPM 2.0 kit: CTM010
OS Compatibility	OS Support List	Power Supply	Dual 3000 W 80 PLUS Titanium redundant power supplies AC Input: 100-240 V *The system power supply requires C19 power cord.
Socket	8 x LGA 6096 (Socket SP5)	System Management	ASPEED® AST2600 Baseboard Management Controller ASPEED® AST2520 Chassis Management Controller GIGABYTE Management Console web interface
Chipset	System on Chip	System Fans	4 x 80x80x80mm
Memory	12-Channel DDR5 RDIMM, 96 x DIMMs Up to 4800 MT/s	Operating Properties	Operating: 10°C to 30°C, 8% to 80% (non-condensing) Non-operating: -40°C to 60°C, 20% to 95% (non-condensing)
LAN	8 x 1 Gb/s LAN (4 x Intel® I350-AM2), Support NCSI 4 x 10/100/1000 Mb/s Management LAN	Packaging Content	1 x H273-Z80-AAW1 8 x CPU heatsinks 1 x Mini-DP to D-Sub cable 1 x 3-Section Rail kit
Video	Integrated in ASPEED® AST2600 x 4 - 4 x Mini-DP	Ordering Part Numbers	6NH273Z80DR000ABW1*
Storage	Front hot-swap: 24 x 2.5" Gen4 NVMe/SATA/SAS ^[1] Optional internal M.2: 4 x M.2 (2280/22110), PCIe Gen4 x4 ^[1] SAS card is required to support SAS drives.	Optional Parts	- M.2 expansion card - CMTP192: 9CMTP192NR-00*
RAID	Require RAID add-in cards		
PCIe Expansion Slots	8 x LP x16 (Gen5 x16) 4 x OCP NIC 3.0 (Gen5 x16), Support NCSI		



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