

H273-Z85-AAW1 (Rev. 3.x)

High Density Server - AMD EPYC™ 9005/9004 Server Processors -
2U 4-Node DP, 8-Bay Gen5 NVMe/SATA/SAS-4



Key Features

- 2U 4-node rear access server system
- Dual AMD EPYC™ 9005/9004 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
- 8 x 2.5" Gen5 NVMe/SATA/SAS-4 hot-swap bays
- 4 x M.2 slots with PCIe Gen4 x4 (**optional**)
- 4 x LP PCIe x16 slots with Gen5 x16 lanes
- Dual 3000 W 80 PLUS Titanium redundant power supplies

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 x16 (Gen5 x16)
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 Server processors AMD EPYC™ 9004 Server processors Dual processors per node, cTDP up to 300 W - At 25°C ambient, cTDP up to 400 W with optional heatsink and air shroud ^[1] ^[1] The optional heatsink and air shroud are set as defaults in the ACx barebone.	Backplane Board	PCIe Gen5 x4 or SATA 6 Gb/s or SAS-4 24 Gb/s
OS Compatibility	OS Support List	TPM	4 x TPM headers (SPI), Optional TPM 2.0 kit: CTM010
Socket	8 x LGA 6096 (Socket SP5)	Power Supply	Dual 3000 W 80 PLUS Titanium redundant power supplies AC Input: 100-240 V *The system power supply requires C19 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
LAN	8 x 1 Gb/s LAN (4 x Intel® I350-AM2), Support NCSI 4 x 10/100/1000 Mb/s Management LAN	Operating Properties	Operating: 10°C to 35°C, 8% to 80% (non-condensing) Non-operating: -40°C to 60°C, 20% to 95% (non-condensing)
Video	Integrated in ASPEED® AST2600 x 4 - 4 x Mini-DP	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	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	6NH273Z85DR000ACW1*
RAID	Require RAID add-in cards	Optional Parts	- M.2 expansion card - CMT192: 9CMT192NR-00* - CPU heatsink (400 W, 25°C ambient, Front): 25ST1-253212-A0R - Air shroud (400 W, 25°C ambient): 25HA8-H27330-G1R



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