GIGABYTE™

H273-Z82-AAW1

AMD EPYC 9004 DP 2U 4-Node Server

AMD EPYC

Features

- 2U 4-node rear access server system
- AMD EPYC™ 9004 series processor family
- Dual processors per node, 5nm technology
- 12-Channel RDIMM DDR5 per processor, 96 x DIMMs
- Dual ROM Architecture supported
- 8 x 1Gb/s LAN ports (Intel® I350-AM2)
- 4 x dedicated management ports
- 8 x 2.5" Gen4 NVMe/ SATA hot-swappable bays
- 4 x M.2 with PCIe Gen4 x4 interface (optional)
- 4 x Low profile PCIe Gen5 x16 expansion slots
- 4 x OCP 3.0 Gen5 x16 mezzanine slots
- Dual 3000W (240V) 80 PLUS Titanium redundant power supply

Specification

Dimensions	2U 4 Nodes - Rear access (W440 x H87.5 x D877 mm)	**Rear I/O**	8 x USB 3.2 Gen1, 4 x Mini-DP, 8 x RJ45, 4 x RJ45 MLAN
Motherboard	MZ83-HD0	**Backplane I/O**	PCIe Gen4 x4 or SATA 6Gb/s or SAS 12Gb/s
CPU	AMD EPYC™ 9004 Series processors Dual processors, 5nm technology Up to 96-core, 192 threads per processor Supports CPU 400W at ambient 25°C* NOTE: CPU 240W at ambient 25°C if using OCP 3.0 slot 8 x LGA 6096 Socket SP5	**TPM**	1 x TPM header with SPI (Optional TPM2.0 kit: CTM010)
		Power Supply	Dual 3000W 80 PLUS Titanium power supply AC Input: 100-240V
		System Management	Aspeed® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
Chipset	System on Chip	**OS Compatibility**	Windows Server 2019 / 2022 RHEL 8.6 / 9 (x64) or later SLES 15 SP4 (x64) or later Ubuntu 20.04.5 LTS / 22.04 LTS (x64) or later VMware ESXi 7 P05 / 8 or later Citrix Hypervisor 8.2.1 or later
Memory	Total 96 x DIMM slots (24 x DIMM slots per node) 12-Channel DDR5 memory, up to 4800 MHz RDIMM modules up to 128GB supported 3DS RDIMM modules up to 256GB supported		
LAN	8 x 1GbE LAN ports (1 x Intel® I350-AM2) Supported NCSI function 4 x dedicated management ports	**System Fans**	4 x 80x80x80mm (16,500rpm)
Video	Integrated in Aspeed AST2600 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp, DDR4 SDRAM Management chip on CMC board: Integrated in Aspeed AST2520A2-GP	**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)
		Packaging Content	1 x H273-Z82, 8 x CPU heatsinks, 1 x Rail Kit
Storage	8 x 2.5" Gen4 NVMe/ SATA/ SAS hot-swappable SSD bays SAS card is required for SAS devices support	**Reference Numbers**	Barebone package: 6NH273Z82DR000AAW1* - Motherboard: 9MZ83HD0UR-000 - Rail kit: 25HB2-A66125-K0R - CPU heatsink: 25ST1-25320N-M1R/ 25ST1-25320Q-M1R - M.2 extension riser card: 9CMTP192NR-00 (optional) - Power Supply: 25EP0-230009-L0S - Back plane board: 9CBPH081NR-00
Expansion Slots	4 x PCIe Gen5 x16 low-profile slots 4 x OCP 3.0 mezzanine slot (Gen5 x16) - Supported NCSI *4 x M.2 slots (M-key, PCIe Gen4 x4, NGFF-2280/22110) *Optional kit for M.2 extension riser card		

Engineered by

GIGA COMPUTING