

H273-Z81-LAN1 (Rev. 1.x)

High Density Server - AMD EPYC™ 9004 -
2U 4-Node DP 8-Bay Gen4 NVMe/SATA/SAS 2600W DLC



Key Features

- Direct liquid cooling solution
- 2U 4-node rear access server system
- Dual AMD EPYC™ 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" Gen4 NVMe/SATA/SAS 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 2600W 80 PLUS Titanium redundant power supply

Applications

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-HD0	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 400W	Backplane Board	PCIe Gen4 x4 or SATA 6Gb/s or SAS 12Gb/s
OS Compatibility	OS Support List	TPM	1 x TPM header (SPI), Optional TPM2.0 kit: CTM010
Socket	8 x LGA 6096 (Socket SP5)	Power Supply	Dual 2600W 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 Baseboard Management Controller ASPEED® AST2520 Chassis Management Controller GIGABYTE Management Console web interface
Memory	12-Channel DDR5 RDIMM, 96 x DIMMs Up to 4800 MT/s	System Fans	4 x 80x80x38mm
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 to 35°C, 8% to 80% (non-condensing) Non-operating: -40°C to 60°C, 20% to 95% (non-condensing) *To ensure system stability and prevent condensation, when the relative humidity exceeds 50%, the coolant inlet temperature must be higher than the dry-bulb temperature and it should not exceed 45°C.
Video	Integrated in ASPEED® AST2600 x 4 - 4 x Mini-DP	Packaging Content	1 x H273-Z81-LAN1 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" 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.	Ordering Part Numbers	6NH273Z81DR000LBN1*
RAID	Require RAID add-in cards	Optional Parts	- M.2 expansion card - CMTP192: 9CMTP192NR-00* - GIGABYTE CPU cold plate loop: 25H27-3Z80000-E06X (QPA:4) - GIGABYTE 2U4N manifold: 25H27-3Z80000-E07X (1 set per rack) - CoolIT leak sensor board: 6NH273Z80S1000LAN11 (QPA:4)



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

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