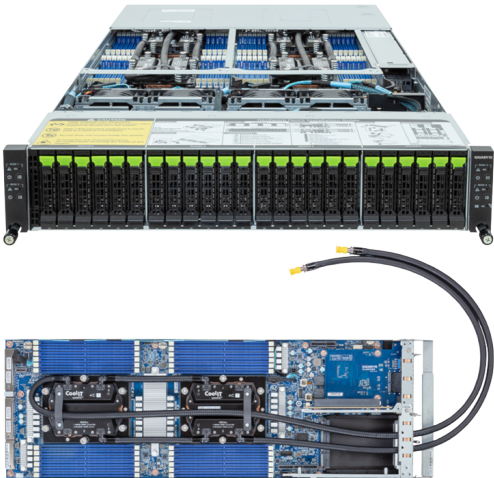


# H273-Z80-LAW1 (Rev. 1.x)

High Density Server - AMD EPYC™ 9004 -  
2U 4-Node DP 24-Bay Gen4 NVMe/SATA/SAS 3000W 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
- 24 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 3000W 80 PLUS Titanium redundant power supply

### Applications

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

### Specification

|                  |                                                                                                                                                                                                                |                       |                                                                                                                                                                                                                                                                                                                                 |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dimensions       | 2U 4-Node - Rear access (W440 x H87.5 x D877 mm)                                                                                                                                                               | PCIe Expansion Slots  | 4 x LP PCIe Gen5 x16<br>4 x OCP NIC 3.0 PCIe Gen5 x16, Support NCSI                                                                                                                                                                                                                                                             |
| Motherboard      | MZ83-HD0                                                                                                                                                                                                       | I/O Ports             | <b>Front:</b><br>1 x CMC status LED, 1 x CMC reset button<br><b>Rear:</b><br>8 x USB 3.2 Gen1, 4 x Mini-DP, 8 x RJ45, 4 x MLAN                                                                                                                                                                                                  |
| CPU              | AMD EPYC™ 9005 Series Processors<br>AMD EPYC™ 9004 Series Processors<br>Dual processor per node, cTDP up to 400W                                                                                               | Backplane Board       | PCIe Gen4 x4 or SATA 6Gb/s or SAS 12Gb/s                                                                                                                                                                                                                                                                                        |
| OS Compatibility | <a href="#">OS Support List</a>                                                                                                                                                                                | TPM                   | 1 x TPM header (SPI), Optional TPM2.0 kit: CTM010                                                                                                                                                                                                                                                                               |
| Socket           | 8 x LGA 6096 (Socket SP5)                                                                                                                                                                                      | Power Supply          | Dual 3000W 80 PLUS Titanium redundant power supply<br>AC Input: 100-240V<br><br>*The system power supply requires C19 power cord.                                                                                                                                                                                               |
| Chipset          | System on Chip                                                                                                                                                                                                 | System Management     | ASPEED® AST2600 Baseboard Management Controller<br>ASPEED® AST2520 Chassis Management Controller<br>GIGABYTE Management Console web interface                                                                                                                                                                                   |
| Memory           | 12-Channel DDR5 RDIMM, 96 x DIMMs<br>Up to 4800 MT/s                                                                                                                                                           | System Fans           | 4 x 80x80x38mm                                                                                                                                                                                                                                                                                                                  |
| LAN              | 8 x 1Gb/s LAN (4 x Intel® I350-AM2), Support NCSI<br>4 x 10/100/1000 Mbps Management LAN                                                                                                                       | Operating Properties  | Operating: 10°C to 35°C, 8% to 80% (non-condensing)<br>Non-operating: -40°C to 60°C, 20% to 95% (non-condensing)<br><br>*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<br>- 4 x Mini-DP                                                                                                                                                             | Packaging Content     | 1 x H273-Z80-LAW1<br>4 x CoolIT CPU cold plate loops<br>1 x Mini-DP to D-Sub cable<br>1 x 3-Section Rail kit                                                                                                                                                                                                                    |
| Storage          | <b>Front hot-swap:</b><br>24 x 2.5" Gen4 NVMe/SATA/SAS <sup>[1]</sup><br><b>Optional internal M.2:</b><br>4 x M.2 (2280/22110), PCIe Gen4 x4<br><br><sup>[1]</sup> SAS card is required to support SAS drives. | Ordering Part Numbers | 6NH273Z80DR000LBW1*                                                                                                                                                                                                                                                                                                             |
| RAID             | Require RAID add-in cards                                                                                                                                                                                      | Optional Parts        | - M.2 expansion card - CMTP192: 9CMTP192NR-00*<br>- GIGABYTE CPU cold plate loop: 25H27-3Z80000-E06X (QPA:4)<br>- GIGABYTE 2U4N manifold: 25H27-3Z80000-E07X (1 set per rack)<br>- CoolIT leak sensor board: 6NH273Z80S1000LAN11 (QPA: 4)                                                                                       |



Learn more at: <https://www.gigabyte.com/Enterprise>  
\* All specifications are subject to change without notice. Please visit our website for the latest information.  
\* All trademarks and logos are the properties of their respective holders.  
© 2026 Giga Computing Technology Co., Ltd. All rights reserved.  
Last updated: Feb 2, 2026

Designed by

