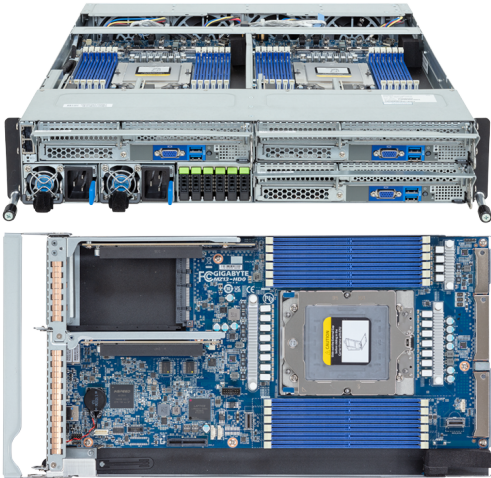
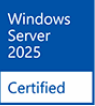


# H223-Z10-AAP1

High Density Server - 2U 3-Node UP 6-Bay E1.S Gen4 NVMe



### Key Features

- 2U 3-node front access server system
- Single AMD EPYC™ 9004 Series Processors per node
- 12-Channel DDR5 RDIMM, 12 x DIMMs per node
- Dual ROM Architecture
- 2 x CMC ports
- 6 x 9.5mm E1.S Gen4 NVMe hot-swap bays
- 3 x FHHL PCIe Gen5 x16 slots
- 3 x LP PCIe Gen5 x16 slots
- 3 x OCP NIC 3.0 PCIe Gen5 x16 slots
- 1+1 3000W 80 PLUS Titanium redundant power supplies

### Applications

Servers for Hybrid/Private Cloud, Edge Server...

### Specification

|                      |                                                                                                                                                                                                                                               |                       |                                                                                                                                               |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Dimensions           | 2U 3-Node - Front access (W447.8 x H87.5 x D500 mm)                                                                                                                                                                                           | I/O Ports             | <b>Front:</b><br>6 x USB 3.2 Gen1, 3 x VGA, 2 x CMC ports, 1 x CMC status LED                                                                 |
| Motherboard          | MZ13-HD0                                                                                                                                                                                                                                      | Backplane Board       | PCIe Gen4 x4                                                                                                                                  |
| CPU                  | AMD EPYC™ 9005 Series Processors<br>AMD EPYC™ 9004 Series Processors<br>Single processor per node, cTDP up to 240W<br>- At 30°C ambient, cTDP up to 300W<br><small>[Note] cTDP supported up to 400W under limited thermal conditions.</small> | TPM                   | 3 x TPM headers (SPI), Optional TPM2.0 kit: CTM010                                                                                            |
| OS Compatibility     | <a href="#">OS Support List</a>                                                                                                                                                                                                               | Power Supply          | 1+1 3000W 80 PLUS Titanium redundant power supplies<br>AC Input: 100-240V<br><small>*The system power supply requires C19 power cord.</small> |
| Socket               | 3 x LGA 6096 (Socket SP5)                                                                                                                                                                                                                     | System Management     | ASPEED® AST2600 Baseboard Management Controller<br>ASPEED® AST2520 Chassis Management Controller<br>GIGABYTE Management Console web interface |
| Chipset              | System on Chip                                                                                                                                                                                                                                | System Fans           | 4 x 80x80x38mm (18,300rpm)                                                                                                                    |
| Memory               | 12-Channel DDR5 RDIMM, 36 x DIMMs<br>Up to 4800 MT/s                                                                                                                                                                                          | 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)                              |
| LAN                  | 2 x Chassis Management LAN                                                                                                                                                                                                                    | Packaging Content     | 1 x H223-Z10-AAP1<br>3 x CPU heatsinks<br>1 x L-shape Rail kit                                                                                |
| Video                | Integrated in ASPEED® AST2600 x 3<br>- 3 x VGA ports                                                                                                                                                                                          | Ordering Part Numbers | 6NH223Z10DR000ABP1*                                                                                                                           |
| Storage              | <b>Front hot-swap:</b><br>6 x 9.5mm E1.S Gen4 NVMe<br><b>Optional internal M.2:</b><br>3 x M.2 (2280/22110), PCIe Gen4 x4                                                                                                                     | Optional Parts        | - M.2 expansion card - CMTTP192: 9CMTTP192NR-00*                                                                                              |
| PCIe Expansion Slots | 3 x FHHL PCIe Gen5 x16<br>3 x LP PCIe Gen5 x16<br>3 x OCP NIC 3.0 PCIe Gen5 x16, Support NCSI                                                                                                                                                 |                       |                                                                                                                                               |



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

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