

H223-Z10-AAP1

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



Features

- 2U 3-node front access server system
- AMD EPYC™ 9004 Series processors
- AMD EPYC™ 9004 Series processors with AMD 3D V-Cache™
- Single processor per node, 5nm technology
- 12-Channel RDIMM DDR5 per processor, 36 x DIMMs
- Dual ROM Architecture
- 2 x CMC ports
- 6 x 9.5mm E1.S Gen4 NVMe hot-swappable bays
- 3 x FHHL PCIe Gen5 x16 slots
- 3 x LP PCIe Gen5 x16 slots
- 3 x OCP 3.0 Gen5 x16 slots
- 1+1 3000W 80 PLUS Titanium redundant power supplies

Specification

Dimensions	2U 3-Node - Front access (W447.8 x H87.5 x D500 mm)	Backplane Board	Speed and bandwidth: PCIe Gen4 x4
Motherboard	MZ13-HD0	TPM	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
CPU	AMD EPYC™ 9004 Series processors AMD EPYC™ 9004 Series processors with AMD 3D V-Cache™ Single processor, 5nm technology	Power Supply	1+1 3000W 80 PLUS Titanium redundant power supplies AC Input: 100-240V
Socket	Total: 3 x LGA 6096 (Socket SP5)	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 / 8.7 / 8.8 / 9.0 / 9.1 / 9.2 (x64) SLES 15 SP4 / 15 SP5 (x64) Ubuntu 20.04.6 / 22.04 / 22.04.1 / 22.04.2 / 22.04.3 LTS (x64) VMware ESXi 7.0 Update 3i / 8.0 / 8.0 Update 1 Citrix Hypervisor 8.2 LTSR CU1
Memory	Total 36 x DIMM slots (12 x DIMM slots per node) RDIMM modules up to 96GB supported 3DS RDIMM modules up to 256GB supported Memory speed: Up to 4800 MHz	System Fans	4 x 80x80x38mm (18,300rpm)
LAN	Total: 2 x CMC ports	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)
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	Packaging Content	1 x H223-Z10 3 x CPU heatsinks 1 x L-shape Rail kit
Storage	Total: 6 x 9.5mm E1.S Gen4 NVMe hot-swappable bays	Part Numbers	Barebone package: 6NH223Z10DR000AAP1* - Motherboard: 9MZ13HD0UR-000 - L-shape Rail kit: 25HB2-A86105-K0R - CPU heatsink: 25ST1-553202-A0R - Power Supply: 25EP0-23000F-G1S
Expansion Slots	Total: 3 x FHHL PCIe Gen5 x16 slots 3 x LP PCIe Gen5 x16 slots 3 x OCP 3.0 Gen5 x16 slots Optional 3 x M.2 slots (M-key, PCIe Gen4 x4, support 2280/22110)		
Front I/O	Total: 6 x USB 3.2 Gen1, 3 x VGA, 2 x CMC ports		



Learn more about GIGABYTE server, visit <https://www.gigacomputing.com>

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