

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™ 9005/9004 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	Front: 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 AMD EPYC™ 9004 Series Processors Single processor per node, cTDP up to 240W - At 30°C ambient, cTDP up to 300W <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	OS Support List	Power Supply	1+1 3000W 80 PLUS Titanium redundant power supplies AC Input: 100-240V <small>*The system power supply requires C19 power cord.</small>
Socket	3 x LGA 6096 (Socket SP5)	System Management	ASPEED® AST2600 Baseboard Management Controller ASPEED® AST2520 Chassis Management Controller GIGABYTE Management Console web interface
Chipset	System on Chip	System Fans	4 x 80x80x38mm (18,300rpm)
Memory	12-Channel DDR5 RDIMM, 36 x DIMMs [EPYC 9005] Up to 6400 MT/s [EPYC 9004] Up to 4800 MT/s	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)
LAN	2 x Chassis Management LAN	Packaging Content	1 x H223-Z10-AAP1 3 x CPU heatsinks 1 x L-shape Rail kit
Video	Integrated in ASPEED® AST2600 x 3 - 3 x VGA ports	Ordering Part Numbers	6NH223Z10DR000ACP1*
Storage	Front hot-swap: 6 x 9.5mm E1.S Gen4 NVMe Optional internal M.2: 3 x M.2 (2280/22110), PCIe Gen4 x4	Optional Parts	- M.2 expansion card - CMTP192: 9CMTP192NR-00*
PCIe Expansion Slots	3 x FHHL PCIe Gen5 x16 3 x LP PCIe Gen5 x16 3 x OCP NIC 3.0 PCIe Gen5 x16, Support NCSI		



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