

H253-Z10-AAP1

AMD EPYC 9004 UP 2U 4-Node Server



Features

- 2U 4-node front access server system
- AMD EPYC™ 9004 series processors
- Single processor per node, 5nm technology
- 12-Channel RDIMM DDR5, 96 x DIMMs
- Dual ROM Architecture
- 8 x 1Gb/s LAN ports
- 4 x Dedicated management ports
- 2 x CMC ports
- 8 x E1.S Gen4 NVMe hot-swappable bays
- 12 x M.2 slots with PCIe Gen5 x4 and SATA interface
- 4 x LP PCIe Gen5 x16 slots
- 4 x OCP 3.0 Gen5 x16 slots
- Dual 3000W 80 PLUS Titanium redundant power supply

Specification

Dimensions	2U 4 Nodes - Front access (W447 x H86.8 x D902 mm)	Front I/O	8 x USB 3.2 Gen1, 4 x Mini-DP, 8 x RJ45, 4 x RJ45 MLAN
Motherboard	MZ13-SH0	Rear I/O	2 x CMC ports
CPU	AMD EPYC™ 9004 series processors AMD EPYC™ 9004 series processors with AMD 3D V-Cache™ Single processor, 5nm technology cTDP up to 300W at ambient 35°C Total 4 x LGA 6096 Socket SP5	Backplane I/O	N/A
Chipset	System on Chip	TPM	1 x TPM header with SPI (Optional TPM2.0 kit: CTM010)
Memory	Total 96 x DIMM slots (24 x DIMM slots per node) 12-Channel DDR5, up to 4800MHz (1DPC), 3600MHz (2DPC) RDIMM modules up to 128GB supported 3DS RDIMM modules up to 256GB supported	Power Supply	Dual 3000W 80 PLUS Titanium redundant power supply AC Input: 100-240V
LAN	8 x 1GbE LAN ports (1 x Intel® I350-AM2) Supported NCSI function 4 x dedicated management ports 2 x CMC ports	System Management	Aspeed® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
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	OS Compatibility	Windows Server 2019 / 2022 RHEL 8.6 / 8.7 / 8.8 / 9.0 / 9.1 / 9.2 (x64) SLES 15 SP4 Ubuntu 20.04.5 / 20.04.6 / 22.04 / 22.04.1 / 22.04.2 LTS (x64) VMware ESXi 7.0 Update 3i / 8.0 / 8.0 Update 1 Citrix Hypervisor r 8.2 LTSR CU1
Storage	8 x 9.5mm E1.S Gen4 NVMe hot-swappable bays	System Fans	4 x 80x80x80mm (16,500rpm)
Expansion Slots	4 x PCIe Gen5 x16 low-profile slots 4 x OCP 3.0 Gen5 x16 slots (Supports NCSI function) 4 x M.2 slots (M-key, PCIe Gen5 x4, NGFF-2280/22110) 8 x M.2 slots (M-key, SATAIII, NGFF-2280, support HW RAID 0/1)	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)
		Packaging Content	1 x H253-Z10, 4 x CPU heatsinks, 1 x L-shape Rail Kit
		Reference Numbers	Barebone package: 6NH253Z10DR000AAP1* - Motherboard: 9MZ13SHOUR-000 - L-shape Rail kit: 25HB2-A86104-K0R - CPU heatsink: 25ST1-553202-A0R - Power Supply: 25EP0-23000H-G1S



Learn more about GIGABYTE server, visit www.gigabyte.com/Enterprise

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