

H233-Z80-AAN1

High Density Server - 2U 2-Node DP 4 x GPUs



Features

- Supports up to 4 x Dual slot Gen5 GPU cards
- 2U 2-node rear access server system
- AMD EPYC™ 9004 Series processors
- Dual processor per node, 5nm technology
- 12-Channel RDIMM DDR5 per processor, 48 x DIMMs
- Dual ROM Architecture
- 4 x 1Gb/s LAN ports
- 2 x Dedicated management ports
- 4 x 2.5" Gen4 NVMe hot-swappable bays
- 4 x FHFL PCIe Gen5 x16 slots for GPUs
- 2 x LP PCIe Gen5 x16 slots
- 2 x OCP 3.0 Gen5 x16 slots
- Dual 2600W 80 PLUS Titanium redundant power supply

Specification

Dimensions	2U 4 Nodes - Rear access (W440 x H87.5 x D877 mm)	Rear I/O	Total 4 x USB 3.2 Gen1, 2 x Mini-DP, 4 x RJ45, 2 x MLAN
Motherboard	MZ83-HD0	Backplane I/O	PCIe Gen4 x4
CPU	AMD EPYC™ 9004 Series processors Dual processors, 5nm technology Up to 96-core, 192 threads per processor Supports cTDP up to 240W	TPM	1 x TPM header with SPI (Optional TPM2.0 kit: CTM010)
Socket	2 x LGA 6096 per node, total 4 x LGA 6096 Socket SP5	Power Supply	Dual 2600W 80 PLUS Titanium power supply AC Input: 100-240V
Chipset	System on Chip	System Management	Aspeed® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
Memory	Total 48 x DIMM slots (24 x DIMM slots per node) 12-Channel DDR5 memory, up to 4800 MHz RDIMM modules up to 96GB supported 3DS RDIMM modules up to 256GB supported	OS Compatibility	Windows Server 2019 / 2022 RHEL 8.6 / 8.7 / 8.8 / 9.0 / 9.1 / 9.2 (x64) SLES 15 SP4 / 15 SP3 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
LAN	4 x 1GbE LAN ports (Intel® I350-AM2) Supported NCSI function 2 x dedicated management ports	System Fans	4 x 80x80x80mm (16,500rpm)
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	Operating Properties	Operating temperature: 10°C to 30°C Operating humidity: 8-80% (non-condensing) Non-operating temperature: -40°C to 60°C Non-operating humidity: 20%-95% (non-condensing)
Storage	4 x 2.5" Gen4 NVMe hot-swappable SSD bays	Packaging Content	1 x H233-Z80, 4 x CPU heatsinks, 1 x Mini-DP to D-Sub cable, 1 x 3-Section Rail kit
Expansion Slots	4 x PCIe Gen5 x16 FHFL slots 2 x PCIe Gen5 x16 LP slots 2 x OCP 3.0 Gen5 x16 slots - Supports NCSI function	Reference Numbers	Barebone package: 6NH233Z80DR000AAN1* - Motherboard: 9MZ83HD0UR-000 - 3-Section Rail kit: 25HB2-A66125-K0R - CPU heatsink: 25ST1-25320N-M1R/25ST1-25320Q-M1R - Mini-DP to D-Sub cable: 25CRN-200801-K1R - Power Supply: 25EP0-226000-G1S



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

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