GIGABYTE™

G293-Z23-AAM1 (Rev. 1.x)

HPC/AI Server - AMD EPYC™ 9004 - 2U UP 4 x PCIe Gen5 GPUs



Key Features

- Supports up to 4 x Dual slot Gen5 GPUs
- Single AMD EPYC™ 9004 Series Processors
- 12-Channel DDR5 RDIMM, 12 x DIMMs
- Dual ROM Architecture
- 2 x 10Gb/s LAN ports via Broadcom® BCM57416
- 4 x 2.5" Gen5 NVMe/SATA/SAS hot-swap bays
- 4 x 2.5" SATA/SAS hot-swap bays
- 2 x M.2 slots with PCIe Gen5 x4 interface
- 4 x FHFL PCIe Gen5 x16 slots for GPUs
- 2 x LP PCIe Gen5 x16 slots for add-in cards
- Dual 2200W 80 PLUS Titanium redundant power supply

Applications

AI Platform, AI Training Server, AI Inference Server, High-Performance Computing Server...

Specification

Dimensions	2U (W448 x H87.5 x D800 mm)
Motherboard	MZ23-G20
CPU	AMD EPYC™ 9004 Series Processors Single processor, cTDP up to 300W
OS Compatibility	OS Support List
Socket	1 x LGA 6096 (Socket SP5)
Chipset	System on Chip
Memory	12-Channel DDR5 RDIMM, 12 x DIMMs Up to 4800 MT/s
LAN	2 x 10Gb/s LAN (1 x Broadcom® BCM57416), Support NCSI 1 x 10/100/1000 Mbps Management LAN
Video	Integrated in ASPEED® AST2600 - 1 x VGA port
Storage	**Front hot-swap:** 4 x 2.5" Gen5 NVMe/SATA/**SAS** [1] 4 x 2.5" SATA/**SAS** [1] **Internal M.2:** 2 x M.2 (2280/22110), PCIe Gen5 x4 [1] SAS card is required to support SAS drives.
RAID	Require RAID add-in cards

PCIe Expansion Slots	4 x FHFL PCIe Gen5 x16, for GPUs 2 x LP PCIe Gen5 x16
I/O Ports	**Rear:** 2 x USB 3.2 Gen1, 1 x VGA, 2 x RJ45, 1 x MLAN
Backplane Board	PCIe Gen5 x4 or SATA 6Gb/s or SAS 12Gb/s
TPM	1 x TPM header (SPI), Optional TPM2.0 kit: CTM010
Power Supply	Dual 2200W 80 PLUS Titanium redundant power supply AC Input: 100-240V *The system power supply requires C19 power cord.
System Management	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
System Fans	4 x 80x80x80mm
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)
Packaging Content	1 x G293-Z23-AAM1 1 x CPU heatsink 4 x GPU power cables (16-pin, 250mm) 1 x L-shape Rail kit
Ordering Part Numbers	6NG293Z23DR000AAM1*

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

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