

G293-Z21-AAP1

HPC/AI Server - 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 or 8 x FHFL PCIe Gen5 x8 slots for GPUs
- 2 x LP PCIe Gen5 x16 slots for add-in cards
- Dual 3000W 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) | PCIe Expansion Slots | 4 x FHFL PCIe Gen5 x16 or 8 x FHFL PCIe Gen5 x8, for GPUs 2 x LP PCIe Gen5 x16 |
| Motherboard | MZ23-G20 | I/O Ports | Rear: 2 x USB 3.2 Gen1, 1 x VGA, 2 x RJ45, 1 x MLAN |
| CPU | AMD EPYC™ 9004 Series Processors Single processor, cTDP up to 300W | Backplane Board | PCIe Gen5 x4 or SATA 6Gb/s or SAS 12Gb/s |
| OS Compatibility | OS Support List | TPM | 1 x TPM header (SPI), Optional TPM2.0 kit: CTM010 |
| Socket | 1 x LGA 6096 (Socket SP5) | Power Supply | Dual 3000W 80 PLUS Titanium redundant power supply AC Input: 100-240V *The system power supply requires C19 power cord. |
| Chipset | System on Chip | System Management | ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface |
| Memory | 12-Channel DDR5 RDIMM, 12 x DIMMs Up to 4800 MT/s | System Fans | 8 x 80x80x38mm (18,300rpm) |
| LAN | 2 x 10Gb/s LAN (1 x Broadcom® BCM57416), Support NCSI 1 x 10/100/1000 Mbps Management LAN | Operating Properties | Operating: 10°C~35°C, 8%~80% (non-condensing) Non-operating: -40°C~60°C, 20%~95% (non-condensing) |
| Video | Integrated in ASPEED® AST2600 - 1 x VGA port | Packaging Content | 1 x G293-Z21-AAP1 1 x CPU heatsink 4 x GPU power cables (12VHPWR, 250mm) 1 x L-shape Rail kit |
| 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. | Ordering Part Numbers | 6NG293Z21DR000AAP1* |
| RAID | Require RAID add-in cards | | |



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

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