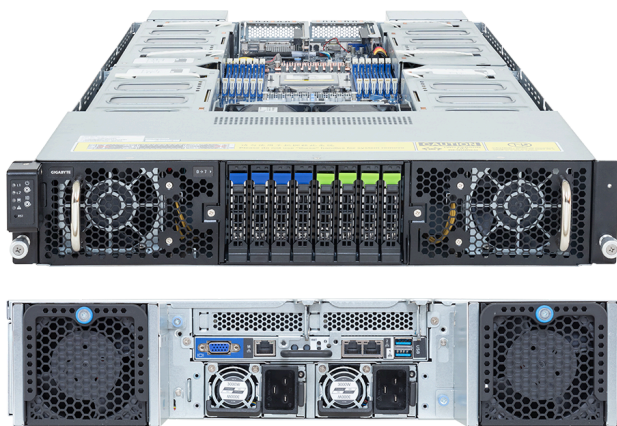


G294-Z21-AAP2

HPC/AI Server - AMD EPYC™ 9005/9004 Server Processors - 2U UP 4 x PCIe Gen5 GPUs



Key Features

- Supports up to 4 x dual-slot Gen5 GPUs
 - 4 x NVIDIA H200 NVL PCIe GPUs
- Single AMD EPYC™ 9005/9004 Server Processors
- 12-Channel DDR5 RDIMM per CPU with 12 x DIMMs
- 2 x 10 Gb/s LAN ports via Broadcom® BCM57416
- 4 x 2.5" Gen5 NVMe/SATA/SAS-4 hot-swap bays
- 4 x 2.5" SATA/SAS-4 hot-swap bays
- 2 x M.2 slots with PCIe Gen5 x4
- 4 x FHFL PCIe x16 slots with Gen5 x16 lanes or 8 x FHFL PCIe x16 slots with Gen5 x8 lanes for GPUs
- 2 x LP PCIe x16 slots with Gen5 x16 lanes for add-in cards
- Dual 3000 W 80 PLUS Titanium redundant power supplies

Applications

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

Specification

| | | | |
|-------------------------|---|------------------------------|---|
| Dimensions | 2U (W448 x H87.5 x D962 mm, depth incl. 112 mm rear fans) | RAID | Require RAID add-in cards |
| Motherboard | MZ23-G20 | PCIe Expansion Slots | 4 x FHFL x16 (Gen5 x16) or 8 x FHFL x16 (Gen5 x8), for GPUs 2 x LP x16 (Gen5 x16), for add-in cards *The system supports 4 x NVIDIA H200 NVL PCIe GPUs at 25°C ambient, arranged as four individual GPUs without NVLink bridge support. |
| CPU | AMD EPYC™ 9005 Server Processors AMD EPYC™ 9004 Server Processors Single processor, cTDP up to 400 W - At 25°C ambient, cTDP up to 500 W | I/O Ports | Rear: 2 x USB 3.2 Gen1, 1 x VGA, 2 x RJ45, 1 x MLAN |
| OS Compatibility | OS Support List | TPM | 1 x TPM header (SPI), Optional TPM 2.0 kit: CTM012 |
| Socket | 1 x LGA 6096 (Socket SP5) | Power Supply | Dual 3000 W 80 PLUS Titanium redundant power supplies AC Input: 100-240 V *The system power supply requires C19 power cord. |
| Chipset | System on Chip | System Fans | 8 x 80x80x80mm |
| Memory | 12-Channel DDR5 RDIMM, 12 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 10 Gb/s LAN (1 x Broadcom® BCM57416), Support NCSI 1 x 10/100/1000 Mb/s Management LAN | Packaging Content | 1 x G294-Z21-AAP2 1 x CPU heatsink 4 x GPU power cables (16-pin, 250mm) 1 x L-shape Rail kit |
| Video | Integrated in ASPEED® AST2600 - 1 x VGA port | Ordering Part Numbers | 6NG294Z21DR000ACP2* |
| Storage | Front hot-swap: 4 x 2.5" Gen5 NVMe/SATA/SAS-4 [1] 4 x 2.5" SATA/SAS-4 [1] Internal M.2: 2 x M.2 (2280/22110), PCIe Gen5 x4 [1] SAS card is required to support SAS drives. | | |



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

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