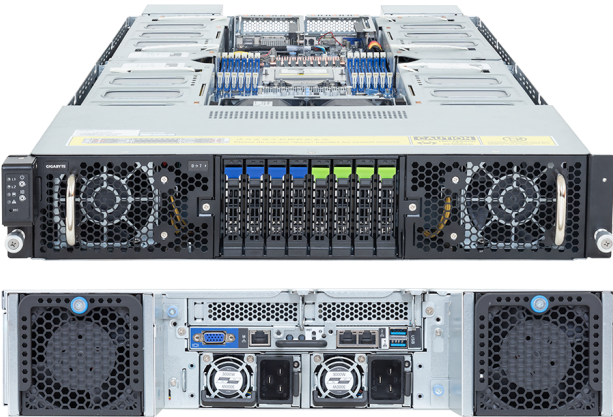


G294-Z22-AAP2

HPC/AI Server - AMD EPYC™ 9005/9004 Server Processors -
2U UP 8 x PCIe Gen5 GPUs



Key Features

- Supports up to 8 x dual-slot Gen5 GPUs
 - 4 x NVIDIA H200 NVL PCIe GPUs with 2-way NVLink bridges
 - 4 x NVIDIA RTX PRO™ 6000 Blackwell Server Edition
 - 8 x AMD Radeon™ AI PRO R9700S
- 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
- 8 x FHFL PCIe x16 slots with Gen5 x16 lanes for GPU
- 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	8 x FHFL x16 (Gen5 x16), 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 two 2-GPU sets, each with a 2-way NVLink bridge. *The system supports 4 x RTX PRO™ 6000 Blackwell Server Edition GPUs at 25°C ambient.
CPU	AMD EPYC™ 9005 Series Processors AMD EPYC™ 9004 Series 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-Z22-AAP2 1 x CPU heatsink 4 x GPU power cables (16-pin, 250mm) 4 x GPU power cables (16-pin, 280mm) 1 x L-shape Rail kit
Video	Integrated in ASPEED® AST2600 - 1 x VGA port	Ordering Part Numbers	6NG294Z22DR000ACP2*
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.		



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