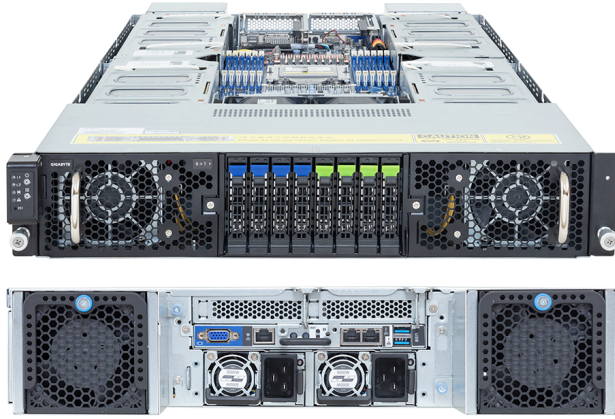


G294-Z22-AAP2

HPC/AI Server - 2U UP 8 x PCIe Gen5 GPUs



Key Features

- Supports up to 8 x Dual slot Gen5 GPUs
- Supports 4 x NVIDIA H200 NVL PCIe GPUs with 2-way NVLink bridges
- Single AMD EPYC™ 9005/9004 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-4 hot-swap bays
- 4 x 2.5" SATA/SAS-4 hot-swap bays
- 2 x M.2 slots with PCIe Gen5 x4 interface
- 8 x FHFL PCIe Gen5 x16 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, Visual Computing, High-Performance Computing Server...

Specification

Dimensions	2U (W448 x H87.5 x D850 mm)	PCIe Expansion Slots	8 x FHFL PCIe Gen5 x16, for GPUs 2 x LP PCIe Gen5 x16, for add-in cards
Motherboard	MZ23-G20		
CPU	AMD EPYC™ 9005 Series Processors AMD EPYC™ 9004 Series Processors Single processor, cTDP up to 400W - At 25°C ambient, cTDP up to 500W		*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.
OS Compatibility	OS Support List	I/O Ports	Rear: 2 x USB 3.2 Gen1, 1 x VGA, 2 x RJ45, 1 x MLAN
Socket	1 x LGA 6096 (Socket SP5)	Backplane Board	PCIe Gen5 x4 or SATA 6Gb/s or SAS-4 24Gb/s
Chipset	System on Chip	TPM	1 x TPM header (SPI), Optional TPM2.0 kit: CTM010
Memory	12-Channel DDR5 RDIMM, 12 x DIMMs [EPYC 9005] Up to 6400 MT/s [EPYC 9004] Up to 4800 MT/s	Power Supply	Dual 3000W 80 PLUS Titanium redundant power supply AC Input: 100-240V *The system power supply requires C19 power cord.
LAN	2 x 10Gb/s LAN (1 x Broadcom® BCM57416), Support NCSI 1 x 10/100/1000 Mbps Management LAN	System Management	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
Video	Integrated in ASPEED® AST2600 - 1 x VGA port	System Fans	8 x 80x80x80mm
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.	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)
RAID	Require RAID add-in cards	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
		Ordering Part Numbers	6NG294Z22DR000ACP2*



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

* All specifications are subject to change without notice. Please visit our website for the latest information.
* All trademarks and logos are the properties of their respective holders.

© 2025 Giga Computing Technology Co., Ltd. All rights reserved.

Designed by

