

G294-A21-AAP2

HPC/AI Server - Intel® Xeon® 6 - 2U UP 4 x PCIe Gen5 GPUs

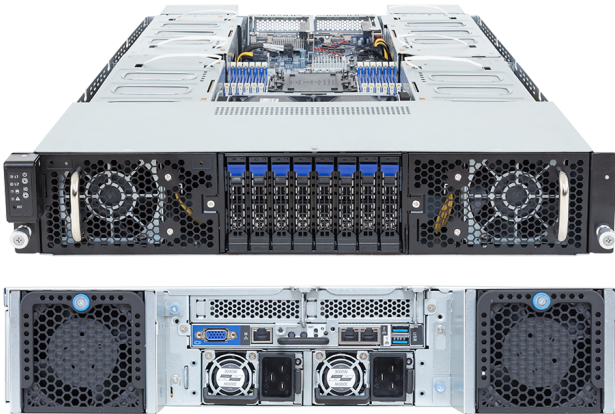


Key Features

- Supports up to 4 x Dual slot Gen5 GPUs
- Supports 4 x NVIDIA H200 NVL PCIe GPUs
- Single Intel® Xeon® 6900-Series Processors
- 12-Channel DDR5 RDIMM / MRDIMM, 12 x DIMMs
- 2 x 10Gb/s LAN ports via Intel® X710-AT2
- 8 x 2.5" SATA/SAS-4 hot-swap bays
- 4 x FHFL PCIe Gen5 x16 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, 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 Onboard VROC key header
Motherboard	MA24-G20	PCIe Expansion Slots	4 x FHFL PCIe Gen5 x16 or 8 x FHFL PCIe Gen5 x8, for GPUs 2 x LP PCIe 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	Intel® Xeon® 6 Processors - Intel® Xeon® 6900-Series Processors Single processor, TDP up to 500W	I/O Ports	Rear: 2 x USB 3.2 Gen1, 1 x VGA, 2 x RJ45, 1 x MLAN
OS Compatibility	OS Support List	Backplane Board	PCIe Gen5 x4 or SATA 6Gb/s or SAS-4 24Gb/s
Socket	1 x LGA 7529 (Socket BR)	TPM	1 x TPM header (SPI), Optional TPM2.0 kit: CTM012 1 x PRoT connector (only enabled on RoT SKU)
Chipset	System on Chip	Power Supply	Dual 3000W 80 PLUS Titanium redundant power supply AC Input: 100-240V *The system power supply requires C19 power cord.
Memory	12-Channel DDR5 RDIMM/MRDIMM, 12 x DIMMs [RDIMM] Up to 6400 MT/s [MRDIMM] Up to 8800 MT/s [1] [1] MRDIMMs are supported only on select Intel® Xeon® 6 processors with P-cores.	System Fans	8 x 80x80x80mm
LAN	2 x 10Gb/s LAN (1 x Intel® X710-AT2), Support NCSI 1 x 10/100/1000 Mbps Management LAN	Operating Properties	Operating: 10°C to 30°C, 8% to 80% (non-condensing) Non-operating: -40°C to 60°C, 20% to 95% (non-condensing)
Video	Integrated in ASPEED® AST2600 - 1 x VGA port	Packaging Content	1 x G294-A21-AAP2 1 x CPU heatsink 4 x GPU power cables (16-pin, 250mm) 1 x Carrier 1 x L-shape Rail kit
Storage	Front hot-swap: 8 x 2.5" SATA/SAS-4 [1] [1] SAS card is required to support SAS drives.	Ordering Part Numbers	6NG294A21DR000AAP2*



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