## G294-S41-AAP2

HPC/AI Server - 2U DP 4 x PCle Gen5 GPUs







## **Key Features**

- Supports up to 4 x Dual slot Gen5 GPUs
- Supports 4 x NVIDIA H200 NVL PCIe GPUs
- Dual Intel<sup>®</sup> Xeon<sup>®</sup> 6700/6500-Series Processors
- 8-Channel DDR5 RDIMM / MRDIMM, 24 x DIMMs
- Dual ROM Architecture
- 2 x 10Gb/s LAN ports via Intel® X710-AT2
- 8 x 2.5" Gen5 NVMe/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
- Dual 3000W 80 PLUS Titanium redundant power supply

## **Applications**

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

## Specification

Dimensions	2U (W448 x H87.5 x D850 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  *The system supports 4 x NVIDIA H200 NVL PCIe GPUs at 25°C ambient, arranged as four individual GPUs without NVLink bridge support.
Motherboard	MS44-G20		
CPU	Intel® Xeon® 6 Processors  - Intel® Xeon® 6700-Series Processors  - Intel® Xeon® 6500-Series Processors  Dual processor, TDP up to 250W  - At 30°C ambient, TDP up to 300W  - At 25°C ambient, TDP up to 350W	I/O Ports	Rear: 2 x USB 3.2 Gen1, 1 x VGA, 2 x RJ45, 1 x MLAN
		Backplane Board	PCIe Gen5 x4 or SATA 6Gb/s or SAS-4 24Gb/s
OS Compatibility	OS Support List	TPM	1 x TPM header (SPI), Optional TPM2.0 kit: CTM012 1 x PRoT connector (only enabled on RoT SKU)
Socket	2 x LGA 4710 (Socket E2)	Power Supply	ower 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		
Memory	8-Channel DDR5 RDIMM/MRDIMM, 24 x DIMMs [1] [RDIMM] Up to 6400 MT/s (1DPC), 5200 MT/s (2DPC) [MRDIMM] Up to 8000 MT/s [2] [1] Intel® Xeon® 6700E-Series Processors only support up to 16 x DIMMs. [2] MRDIMMs are only supported with Intel® Xeon® 6 Processors with P-cores and in a 1DPC configuration.	System Management	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
		System Fans	8 x 80x80x80mm
		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	$2 \times 10$ Gb/s LAN (1 × Intel® X710-AT2), Support NCSI 1 × 10/100/1000 Mbps Management LAN	Packaging Content	1 x G294-S41-AAP2 2 x CPU heatsinks 4 x GPU power cables (12VHPWR, 250mm) 4 x Carriers
Video	Integrated in ASPEED® AST2600 - 1 x VGA port		
Storage	Front hot-swap: 8 x 2.5" Gen5 NVMe/SATA/SAS-4 [1][2] [1] Storage card is required to support SATA and SAS drives. [2] Optional M.2 storage kit available for SATA support without requiring a PCIe storage card.	Oudoring Dort	1 x L-shape Rail kit
		Ordering Part Numbers	6NG294S41DR000AAP2*
RAID	Require RAID add-in cards Onboard VROC key headers		





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