G294-S45-AAP2

HPC/AI Server - 2U DP 8 x PCle Gen5 GPUs







Key Features

- Supports up to 8 x Dual slot Gen5 GPUs
- Supports 4 x NVIDIA H200 NVL PCIe GPUs
- Dual Intel® Xeon® 6700/6500-Series Processors
- 8-Channel DDR5 RDIMM / MRDIMM, 16 x DIMMs
- Dual ROM Architecture
- 2 x 10Gb/s LAN ports via Intel® X710-AT2
- 8 x 2.5" SATA/SAS-4 hot-swap bays
- 8 x FHFL PCIe Gen5 x16 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	8 x FHFL PCIe Gen5 x16, 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 1-GPU sets. *The system is only validated with a uniform GPU model.
Motherboard	MS44-G21		
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	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, 16 x DIMMS [RDIMM] Up to 6400 MT/s [MRDIMM] Up to 8000 MT/s ^[1] [1] MRDIMMs are only supported with Intel® Xeon® 6 Processors with Pcores.	System Management	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
		System Fans	6 x 80x80x80mm (17,500/15,000rpm) 2 x 80x80x80mm (18,700/15,100rpm)
LAN	2×10 Gb/s LAN (1 × Intel $^{\odot}$ X710-AT2), Support NCSI 1 x 10/100/1000 Mbps Management LAN	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)
Video	Integrated in ASPEED® AST2600		
Storage	- 1 x VGA port Front hot-swap: 4 x 2.5" Gen5 NVMe/SATA/SAS-4 [1] 4 x 2.5" SATA/SAS-4 [1] [1] SAS card is required to support SAS drives. [2] NVMe support requires additional NVMe cables and occupies PCIe	Packaging Content	1 x G294-S45-AAP2 2 x CPU heatsinks 4 x GPU power cables (12VHPWR, 250mm) 4 x GPU power cables (12VHPWR, 280mm) 4 x Carriers 1 x L-shape Rail kit
	slots.	Ordering Part Numbers	6NG294S45DR000AAP2*
RAID	Require RAID add-in cards Onboard VROC key headers		





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