GIGABYTE™

G294-S45-AAP1

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

intel XEON

Features

- Supports up to 8 x Dual slot Gen5 GPUs
- Dual Intel® Xeon® 6 Processors, LGA 4710
- 8-Channel DDR5 RDIMM / MCR DIMM, 24 x DIMMs
- Dual ROM Architecture
- 2 x 10Gb/s LAN ports via Intel® X710-AT2
- 8 x 2.5" SATA/SAS-4 hot-swappable 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

Application

AI, AI Inference, AI Training, Visual Computing, High-Performance Computing Server

Specification

Dimensions	2U (W448 x H87.5 x D880 mm)		**I/O Ports**	Rear: 2 x USB 3.2 Gen1, 1 x VGA, 2 x RJ45, 1 x MLAN Internal: 1 x TPM header, 1 x PRoT connector, 1 x VROC connector
Motherboard	MS44-G20		**Backplane Board**	Speed & bandwidth: PCIe Gen5 x4 or SATA 6Gb/s or SAS-4 24Gb/s
CPU	Intel® Xeon® 6 Processors - Intel® Xeon® 6700E-Series Processors - Intel® Xeon® 6700P-Series Processors - Intel® Xeon® 6500P-Series Processors Dual processor, TDP up to 225W		**Security Modules**	1 x TPM header with SPI interface - Optional TPM2.0 kit: CTM012 1 x PRoT module connector (M.2 M-key) - Optional PRoT module (AST1060 solution): CSC1200
Sock	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	16 x DIMM slots 8-Channel DDR5 RDIMM / MCR DIMM* RDIMM: Up to 6400 MT/s MCR DIMM: Up to 8000 MT/s *MCR DIMMs are only supported with Intel Xeon 6 Processors with P-cores.		**System Management**	ASPEED® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
			System Fans	2 x 80x80x38mm (18,300rpm), 6 x 80x80x80mm (16,500rpm)
LAN	2 x 10Gb/s LAN ports (1 x Intel® X710-AT2) - Supported NCSI 1 x 10/100/1000 Mbps Management LAN		**Operating Properties**	Operating temperature: 10°C to 35°C Operating humidity: 8%-80% (non-condensing) Non-operating temperature: -40°C to 60°C Non-operating humidity: 20%-95% (non-condensing)
Video	ASPEED® AST2600 Integrated 2D Graphic			
Storage	4 x 2.5" Gen5 NVMe/SATA/SAS-4* hot-swappable bays 4 x 2.5" SATA/SAS-4* hot-swappable bays *SAS card is required to support SAS drives. Note: NVMe support requires additional NVMe cables and occupies PCIe slots. Please refer to optional parts for qualified NVMe cables.		**Packaging Content**	1 x G294-S45-AAP1 2 x CPU heatsinks 4 x Carriers 1 x L-shape Rail kit
RAID	Require RAID add-in cards		**Part Numbers**	Barebone package: 6NG294S45DR000AAP1* - L-shape Rail kit: 25HB2-A86102-K0R - Power supply: 25EP0-230005-G1S - C19 power cord 125V/15A (US): 25CP1-018000-Q0R (optional) - C19 power cord 250V/16A (EU): 25CP3-01830H-Q0R (optional) - C19 power cord 125V/15A (JP): 25CPA-01830B-Q0R (optional)
Expansion Slots	8 x PCIe x16 (Gen5 x16) FHFL slots for GPUs 2 x PCIe x16 (Gen5 x16) low-profile slots			

Learn more about GIGABYTE server at **https://www.gigabyte.com/Enterprise**

Designed by

GIGA COMPUTING

Giga Computing   GigaComputing   GIGABYTEServer   GIGABYTEChannel