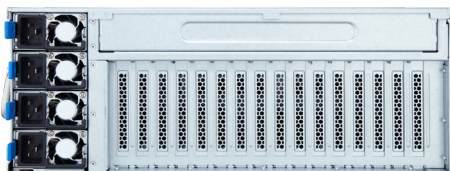


G494-SB0-AAP1

HPC/AI Server - 4U DP 8 x PCIe Gen5 GPUs



Features

- Supports up to 8 x Dual slot Gen5 GPUs
- Intel® Xeon® 6 Processors, LGA 4710
- 8-Channel DDR5 RDIMM / MCR DIMM, 32 x DIMMs
- Dual ROM Architecture
- 2 x 10Gb/s LAN ports via Intel® X710-AT2
- 8 x 3.5"/2.5" Gen5 NVMe/SATA/SAS hot-swappable bays
- 4 x 3.5"/2.5" SATA/SAS hot-swappable bays
- 8 x FHFL PCIe Gen5 x16 slots for GPUs
- 1 x LP PCIe Gen5 x8 slot
- 3+1 3000W 80 PLUS Titanium redundant power supplies

Application

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

Specification

Dimensions	4U (W448 x H176 x D880 mm)	Backplane Board	PCIe Gen5 x4 or SATA 6Gb/s or SAS 12Gb/s
Motherboard	MSB4-G40	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
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 350W	Power Supply	3+1 3000W 80 PLUS Titanium redundant power supply AC Input: 100-240V *The system power supply requires C19 power cord.
Sock	2 x LGA 4710 (Socket E2)	System Management	ASPEED® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
Chipset	System on Chip	System Fans	12 x 60x60x56mm (23,000rpm)
Memory	8-Channel DDR5 RDIMM / MCR DIMM, 32 x DIMM slots RDIMM: Up to 6400 MT/s (1DPC), 5200 MT/s (2DPC) MCR DIMM: Up to 8000 MT/s (*MCR DIMMs are only supported with Intel Xeon 6 Processors with P-cores and in a 1DPC configuration.)	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)
LAN	2 x 10Gb/s LAN ports (1 x Intel® X710-AT2) - Supported NCSI 1 x 10/100/1000 Mbps Management LAN	Packaging Content	1 x G494-SB0-AAP1 2 x CPU fansinks 8 x GPU power cables (12VHPWR, 150mm) 4 x Carriers 1 x L-shape Rail kit
Video	ASPEED® AST2600 Integrated 2D Graphic Adapter	Part Numbers	Barebone package: 6NG494SB0DR000AAP1* - Motherboard: 9MSB4G40UR-000 - L-shape Rail kit: 25HB2-A96100-K0R - CPU fansink: 25ST1-363204-C1R - Power supply: 25EP0-23000C-D0S - 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)
Storage	8 x 3.5"/2.5" Gen5 NVMe/SATA/SAS* hot-swappable bays 4 x 3.5"/2.5" SATA/SAS* hot-swappable bays *Storage card is required to support SATA and SAS drives.		
RAID	Require RAID add-in cards		
Expansion Slots	8 x PCIe x16 (Gen5 x16) FHFL slots for GPUs 1 x PCIe x16 (Gen5 x8) low-profile slot		
I/O Ports	Front: 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		



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

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