

G494-SB3-AAP1

HPC/AI Server - Intel® Xeon® 6700/6500-Series Processors - 4U DP 8 x PCIe Gen5 GPUs



Key Features

- Supports up to 8 x Dual slot Gen5 GPUs
- Dual Intel® Xeon® 6700/6500-Series Processors
- 8-Channel DDR5 RDIMM/MRDIMM per CPU with 32 x DIMMs
- 2 x 10 Gb/s LAN ports via Intel® X710-AT2
- 12 x 3.5"/2.5" Gen5 NVMe/SATA/SAS-4 hot-swap bays
- 8 x FHFL PCIe x16 slots with Gen5 x16 lanes for GPUs
- 8 x LP PCIe x16 slots with Gen5 x16 lanes
- 2 x FHHL PCIe x16 slots with Gen5 x16 lanes on the front side
- 3+1 3000 W 80 PLUS Titanium redundant power supplies

Applications

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

Specification

Dimensions	4U (448 x 176 x 880 mm)	RAID	Require RAID add-in cards Onboard VROC key headers
Motherboard	MSB4-G40	PCIe Expansion Slots	Rear: 8 x FHFL x16 (Gen5 x16), for GPUs 8 x LP x16 (Gen5 x16) Front: 2 x FHHL x16 (Gen5 x16)
CPU	Intel® Xeon® 6 Processors - Intel® Xeon® 6700-Series Processors - Intel® Xeon® 6500-Series Processors Dual processor, TDP up to 350 W	I/O Ports	Front: 2 x USB 3.2 Gen1, 1 x VGA, 2 x RJ45, 1 x MLAN
OS Compatibility	OS Support List	TPM	1 x TPM header (SPI), Optional TPM 2.0 kit: CTM012 1 x PROT connector (only enabled on RoT SKU)
Socket	2 x LGA 4710 (Socket E2)	Power Supply	3+1 3000 W 80 PLUS Titanium redundant power supplies AC Input: 100-240 V *The system power supply requires C19 power cord.
Chipset	System on Chip	System Fans	12 x 60x60x56mm
Memory	8-Channel DDR5 RDIMM/MRDIMM, 32 x DIMMs [RDIMM] Up to 6400 MT/s (1DPC), 5200 MT/s (2DPC) [MRDIMM] Up to 8000 MT/s [1] [1] MRDIMMs are supported only on select Intel® Xeon® 6 processors with P-cores and only in a 1DPC configuration.	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 x 10 Gb/s LAN (1 x Intel® X710-AT2), Support NCSI 1 x 10/100/1000 Mb/s Management LAN	Packaging Content	1 x G494-SB3-AAP1 2 x CPU fansinks 8 x GPU power cables (16-pin, 150mm) 4 x Carriers 1 x L-shape Rail kit
Video	Integrated in ASPEED® AST2600 - 1 x VGA port	Ordering Part Numbers	6NG494SB3DR000AAP1*
Storage	Front hot-swap: 12 x 3.5"/2.5" Gen5 NVMe/SATA/SAS-4 [1] [1] Storage card is required to support SATA and SAS drives.		



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

* All specifications are subject to change without notice. Please visit our website for the latest information.

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