

G493-SB3-AAP1

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



Key Features

- **NVIDIA-Certified Systems™ - Data Center Servers**
- Supports up to 8 x Dual slot Gen5 GPUs
- Dual 5th/4th Gen Intel® Xeon® Scalable Processors
- Dual Intel® Xeon® CPU Max Series
- 8-Channel DDR5 RDIMM, 32 x DIMMs
- Dual ROM Architecture
- 2 x 10Gb/s LAN ports via Intel® X710-AT2
- 12 x 3.5"/2.5" Gen5 NVMe/SATA/SAS-4 hot-swap bays
- 1 x M.2 slot with PCIe Gen3 x1 interface
- 8 x FHFL PCIe Gen5 x16 slots for GPUs
- 8 x LP PCIe Gen5 x16 slots
- 2 x LP PCIe Gen5 x16 slots on the front side
- 3+1 3000W 80 PLUS Titanium redundant power supplies

Applications

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

Specification

Dimensions	4U (W448 x H176 x D880 mm)	PCIe Expansion Slots	Rear: 8 x FHFL PCIe Gen5 x16, for GPUs 8 x LP PCIe Gen5 x16 Front: 2 x LP PCIe Gen5 x16
Motherboard	MSB3-G40	I/O Ports	Front: 2 x USB 3.2 Gen1, 1 x VGA, 2 x RJ45, 1 x MLAN
CPU	5th Generation Intel® Xeon® Scalable Processors 4th Generation Intel® Xeon® Scalable Processors Intel® Xeon® CPU Max Series Dual processor, TDP up to 350W	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: CTM010
Socket	2 x LGA 4677 (Socket E)	Power Supply	3+1 3000W 80 PLUS Titanium redundant power supplies AC Input: 100-240V *The system power supply requires C19 power cord.
Chipset	Intel® C741	System Management	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
Memory	8-Channel DDR5 RDIMM, 32 x DIMMs [5th Gen Intel Xeon] Up to 5600 MT/s (1DPC), 4400 MT/s (2DPC) ^[1] [4th Gen Intel Xeon] Up to 4800 MT/s (1DPC), 4400 MT/s (2DPC) [Intel Xeon Max Series] Up to 4800 MT/s (1DPC), 4400 MT/s (2DPC) ^[1] 5600 MT/s support under 2DPC configuration requires verified memory and BIOS setup.	System Fans	12 x 60x60x38mm ^[1] ^[1] Two fans share a single power connector.
LAN	2 x 10Gb/s LAN (1 x Intel® 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 - 1 x VGA port	Packaging Content	1 x G493-SB3-AAP1 2 x CPU fansinks 8 x GPU power cables (16-pin, 150mm) 6 x Carriers 1 x L-shape Rail kit
Storage	Front hot-swap: 12 x 3.5"/2.5" Gen5 NVMe/SATA/SAS-4 ^[1] Internal M.2: 1 x M.2 (2280/22110), PCIe Gen3 x1 ^[1] SAS card is required to support SAS drives.	Ordering Part Numbers	6NG493SB3DR000ABP1*
RAID	Intel® SATA RAID 0/1/10/5 Onboard VROC key header Support optional RAID add-in cards		



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

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