

# G493-SB4-AAP1

GPU Server - 4U DP NVIDIA OVX™ 8 x PCIe Gen5 GPUs

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## Features

- NVIDIA-Certified Systems™ - OVX Servers
- Optimized for NVIDIA OVX™ L40S Server with 8 GPUs configuration
- 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-swappable bays
- 1 x M.2 slot with PCIe Gen3 x1 interface
- 8 x FHFL PCIe Gen5 x16 slots for GPUs
- 2 x FHHL PCIe Gen5 x16 slots
- 4 x LP PCIe Gen5 x16 slots
- 1 x LP PCIe Gen4 x16 slot on the front side
- 3+1 3000W 80 PLUS Titanium redundant power supplies

## Specification

<b>Dimensions</b>	4U (W448 x H176 x D880 mm)	<b>Video</b>	ASPEED® AST2600 Integrated 2D Graphic Adapter
<b>Motherboard</b>	MSB3-G40	<b>I/O Ports</b>	Front: 2 x USB 3.2 Gen1, 1 x VGA, 2 x RJ45, 1 x MLAN Rear: N/A Internal: 1 x TPM header, 1 x VROC connector
<b>CPU</b>	5th Generation Intel® Xeon® Scalable Processors 4th Generation Intel® Xeon® Scalable Processors Intel® Xeon® CPU Max Series Dual processor, TDP up to 350W  NVIDIA OVX Specifications: 2 x Intel® Xeon® Gold 8480+	<b>Backplane Board</b>	PCIe Gen5 x4 or SATA 6Gb/s or SAS-4 24Gb/s
<b>Socket</b>	2 x LGA 4677 (Socket E)	<b>TPM</b>	1 x TPM header with SPI interface (Optional TPM2.0 kit: CTM010)
<b>Chipset</b>	Intel® C741 Chipset	<b>Power Supply</b>	3+1 3000W 80 PLUS Titanium redundant power supplies AC Input: 100-240V (The system PSU requires C19 power cord)
<b>Memory</b>	8-Channel DDR5 memory, 32 x DIMM slots RDIMM up to 96GB supported; 3DS RDIMM up to 256GB supported Memory speed: Up to 5600 MT/s (1DPC), 4400 MT/s (2DPC)  NVIDIA OVX Specifications: Min 768GB DDR5 ECC (1 DIMM per slot)	<b>System Management</b>	ASPEED® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
<b>LAN</b>	2 x 10Gb/s LAN ports (1 x Intel® X710-AT2) - Supported NCSI 1 x 10/100/1000 management LAN	<b>System Fans</b>	12 x 60x60x38mm (23,000rpm)
<b>Storage</b>	12 x 3.5"/2.5" Gen5 NVMe/SATA/SAS-4* hot-swappable bays *SAS card is required to support SAS drives.  NVIDIA OVX Specifications: 1 x 1TB NVMe Host Boot Drive, 2 x 4TB NVMe Host Storage	<b>Operating Properties</b>	Operating temperature: 10°C to 30°C Operating humidity: 8-80% (non-condensing) Non-operating temperature: -40°C to 60°C Non-operating humidity: 20%-95% (non-condensing)
<b>RAID</b>	Intel® SATA RAID 0/1/10/5; support optional RAID add-in cards	<b>Packaging Content</b>	1 x G493-SB4-AAP1 2 x CPU fansinks 8 x GPU power cables (12VHPWR, 150mm) 6 x Carriers 1 x L-shape Rail kit
<b>Expansion Slots</b>	8 x PCIe Gen5 x16 FHFL slots for GPUs 1 x PCIe Gen5 x16 FHHL slot 4 x PCIe Gen5 x16 low-profile slots 1 x PCIe Gen4 x16 low-profile slot 1 x M.2 slot (M-key, PCIe Gen3 x1, supports 2280/22110)  NVIDIA OVX Specifications: 8 x NVIDIA L40S, 1 x BlueField-3 (B3220), 4 x ConnectX-7	<b>Reference Numbers</b>	Barebone package: 6NG493SB4DR000ABP1* - L-shape Rail kit: 25HB2-A96100-K0R - CPU fansink: 25ST1-363204-C1R - GPU power cable: 25CRI-150004-Y4R - Power supply: 25EPO-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)



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

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