GIGABYTE™

G493-ZB4-AAP1

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

NVIDIA Certified   **AMD EPYC**

Features

- NVIDIA-Certified Systems™ - OVX Servers
- Optimized for NVIDIA OVX™ L40S Server with 8 GPUs configuration
- Dual AMD EPYC™ 9004 Series Processors (with AMD 3D V-Cache™ Technology)
- 12-Channel RDIMM DDR5, 48 x DIMMs
- Dual ROM Architecture
- 2 x 1Gb/s LAN ports via Intel® I350-AM2
- 12 x 2.5" Gen5 NVMe/SATA/SAS-4 hot-swappable bays
- 2 x M.2 slots with PCIe Gen3 x4 interface
- 8 x FHHL PCIe Gen5 x16 slots for GPUs
- 2 x FHHL PCIe Gen5 x16 slots
- 4 x LP PCIe Gen5 x16 slots
- 3+1 3000W 80 PLUS Titanium redundant power supplies

Specification

Dimensions	4U (W448 x H176 x D880 mm)	**Video**	ASPEED® AST2600 Integrated 2D Graphic Adapter
Motherboard	MZB3-G41	**I/O Ports**	Front: 2 x USB 3.2 Gen1, 1 x VGA, 2 x RJ45, 1 x MLAN Rear: N/A Internal: 1 x TPM header
CPU	AMD EPYC™ 9004 Series Processors AMD EPYC™ 9004 Series Processors with AMD 3D V-Cache™ Dual processor, 5nm technology cTDP up to 300W at ambient 35°C NVIDIA OVX Specifications: 2 x AMD EPYC™ 9554	**Backplane Board**	PCIe Gen5 x4 or SATA 6Gb/s or SAS-4 24Gb/s
		TPM	1 x TPM header with SPI interface (Optional TPM2.0 kit: CTM010)
Socket	2 x LGA 6096 (Socket SP5)	**Power Supply**	3+1 3000W 80 PLUS Titanium redundant power supplies AC Input: 100-240V (The system PSU requires C19 power cord)
Chipset	System on Chip		
Memory	12-Channel DDR5 memory, 48 x DIMM slots RDIMM up to 96GB supported; 3DS RDIMM up to 256GB supported Memory speed: Up to 4800 MT/s (1DPC), 3600 MT/s (2DPC) NVIDIA OVX Specifications: Min 768GB DDR5 ECC (1 DIMM per slot)	**System Management**	ASPEED® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
		System Fans	12 x 60x60x38mm (23,000rpm)
LAN	2 x 1Gb/s LAN ports (1 x Intel® I350-AM2) - 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)
Storage	12 x 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	**Packaging Content**	1 x G493-ZB4-AAP1 2 x CPU fansinks 8 x GPU power cables (12VHPWR to 12VHPWR, 150mm) 1 x L-shape Rail kit
RAID	Require RAID add-in cards	**Reference Numbers**	Barebone package: 6NG493ZB4DR000AAP1* - L-shape Rail kit: 25HB2-A96100-K0R - CPU fansink: 25ST0-0Z6023-C1R/25ST0-0Z6024-C1R - GPU power cable: 25CRI-150004-Y4R - 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)
Expansion Slots	8 x PCIe Gen5 x16 FHFL slots for GPUs 2 x PCIe Gen5 x16 FHHL slots 4 x PCIe Gen5 x16 low-profile slots 2 x M.2 slot (M-key, PCIe Gen3 x4, supports 2280/22110) NVIDIA OVX Specifications: 8 x NVIDIA L40S, 1 x BlueField-3 (B3220), 4 x ConnectX-7		

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

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