

G493-ZB3-AAP1

GPU Server - 4U DP 8-GPU 12-bay NVMe/SATA



Features

- Supports up to 8 x dual-slot Gen5 GPU cards
- AMD EPYC™ 9004 series processor family
- Dual processors, 5nm technology
- 12-Channel RDIMM DDR5, 48 x DIMMs
- Dual ROM Architecture supported
- 2 x 1Gb/s BASE-T LAN ports (Intel® I350-AM2)
- 1 x dedicated management port
- 12 x 2.5" Gen5 NVMe/SATA hot-swappable bays
- 2 x M.2 slots with PCIe Gen3 x4 interface
- 8 x PCIe Gen5 x16 FHFL expansion slots for GPUs
- 8 x PCIe Gen5 x16 LP expansion slots on rear side
- 2 x PCIe Gen5 x16 LP MD2 expansion slots on front side
- 3+1 3000W (240V) 80 PLUS Titanium redundant power supply

Specification

Dimensions	4U (W448 x H176 x D880 mm)	Backplane I/O	PCIe Gen5 x4 or SATA 6Gb/s or SAS 12Gb/s
Motherboard	MZB3-G41	TPM	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
CPU	AMD EPYC™ 9004 series processor Dual processor, 5nm technology, cTDP up to 400W Up to 96-core, 192 threads per processor 2 x LGA 6096 Socket SP5	Power Supply	3+1 3000W 80 PLUS Titanium redundant power supply AC Input: 100-240V
Chipset	System on Chip	System Management	Aspeed® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
Memory	48 x DDR5 DIMM slots, 12-Channel memory per processor RDIMM modules up to 128GB supported 3DS RDIMM modules up to 256GB supported Memory speed: Up to 4800 MHz (1DPC), 3600 MHz (2DPC)	OS Compatibility	Windows Server 2019 / 2022 RHEL 8.6 / 8.7 / 9.0 / 9.1 (x64) SLES 15 SP4 (x64) Ubuntu 20.04.5 LTS / 22.04 LTS / 22.04.1 LTS (x64) VMware ESXi 7.0 Update 3i / 8.0 Citrix Hypervisor 8.2.1
LAN	2 x 1Gb/s BASE-T LAN ports (1 x Intel® I350-AM2) Supported NCSI function 1 x 10/100/1000 management LAN	System Fans	6 x 60x60x38mm (23,000rpm)
Video	Integrated in Aspeed AST2600 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp, DDR4 SDRAM	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 hot-swappable bays SAS card is required for SAS devices support	Packaging Content	1 x G493-ZB3, 2 x CPU heatsinks 1 x Rail kit
Expansion Slots	8 x PCIe Gen5 x16 FHFL slots for GPUs 8 x PCIe Gen5 x16 Low-profile slots on rear side 2 x PCIe Gen5 x16 Low-profile MD2 slots on front side 2 x M.2 slots (M-key, PCIe Gen3 x4, supports 2280/ 22110)	Reference Numbers	Barebone with rail kit: 6NG493ZB3DR000AAP1* - Motherboard: 9MZB3G41UR-000 - Rail kit: 25HB2-A96100-K0R - CPU fan-sink: 25G49-3ZB000-E57X - Power supply: 25EP0-230005-G1S - C19 power cord 125V/15A (US): 25CP1-018000-Q0R (optional) - C19 power cord 250V/16A (EU): 25CP3-01830H-Q0R (optional)
Front I/O	2 x USB 3.2 Gen1, 1 x VGA, 2 x RJ45, 1 x MLAN		
Rear I/O	N/A		



Learn more about GIGABYTE server, visit <https://www.gigacomputing.com>

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