

G493-ZB3-AAP1 (Rev. 1.x)

HPC/AI Server - AMD EPYC™ 9004 - 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 AMD EPYC™ 9004 Series Processors
- 12-Channel DDR5 RDIMM, 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-swap bays
- 2 x M.2 slots with PCIe Gen3 x4 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	8 x FHFL PCIe Gen5 x16, for GPUs 10 x LP PCIe Gen5 x16
Motherboard	MZB3-G41	I/O Ports	Front: 2 x USB 3.2 Gen1, 1 x VGA, 2 x RJ45, 1 x MLAN
CPU	AMD EPYC™ 9005 Series Processors AMD EPYC™ 9004 Series Processors Dual processor, cTDP up to 400W	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 6096 (Socket SP5)	Power Supply	3+1 3000W 80 PLUS Titanium redundant power supplies AC Input: 100-240V *The system power supply requires C19 power cord.
Chipset	System on Chip	System Management	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
Memory	12-Channel DDR5 RDIMM, 48 x DIMMs [EPYC 9005] Up to 4800 MT/s (1DPC), 4000 MT/s (1R 2DPC), 3600 MT/s (2R 2DPC) [EPYC 9004] Up to 4800 MT/s (1DPC), 3600 MT/s (2DPC)	System Fans	12 x 60x60x38mm
LAN	2 x 1Gb/s LAN (1 x Intel® I350-AM2), 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-ZB3-AAP1 2 x CPU fansinks 8 x GPU power cables (16-pin, 150mm) 1 x L-shape Rail kit
Storage	Front hot-swap: 12 x 2.5" Gen5 NVMe/SATA/SAS-4 ^[1] Internal M.2: 2 x M.2 (2280/22110), PCIe Gen3 x4 ^[1] SAS card is required to support SAS drives.	Ordering Part Numbers	6NG493ZB3DR000ABP1*
RAID	Require RAID add-in cards		



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