

G494-ZB4-AAP2

HPC/AI Server - AMD EPYC™ 9005/9004 - 4U DP 8 x PCIe Gen5 GPUs



Key Features

- Supports up to 8 x Dual slot Gen5 GPUs
- **Conditionally** supports
 - 8 x NVIDIA H200 NVL PCIe GPUs with 4-way NVLink bridges or
 - 8 x NVIDIA RTX PRO™ 6000 Blackwell Server Edition GPUs
- Dual AMD EPYC™ 9005/9004 Series Processors
- 12-Channel DDR5 RDIMM, 48 x DIMMs
- 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
- 2 x FHHL PCIe Gen5 x16 slots
- 1 x FHHL PCIe Gen5 x16 slot on the front side
- 3 x LP PCIe Gen5 x16 slots
- Quad 3000W 80 PLUS Titanium redundant power supply

Specification

Dimensions	4U (W448 x H176 x D880 mm) (W448 x H176 x D1000.5 mm with optional fan kit)
Motherboard	MZB3-G41
CPU	AMD EPYC™ 9005 Series Processors AMD EPYC™ 9004 Series Processors Dual processor, cTDP up to 400W - At 30°C ambient, cTDP up to 500W
OS Compatibility	OS Support List
Socket	2 x LGA 6096 (Socket SP5)
Chipset	System on Chip
Memory	12-Channel DDR5 RDIMM, 48 x DIMMs [EPYC 9005] Up to 5200 MT/s (1DPC) Up to 4400 MT/s (1R 2DPC), 4000 MT/s (2R 2DPC) [EPYC 9004] Up to 4800 MT/s (1DPC), 3600 MT/s (2DPC)
LAN	2 x 1Gb/s LAN (1 x Intel® I350-AM2), Support NCSI 1 x 10/100/1000 Mbps Management LAN
Video	Integrated in ASPEED® AST2600 - 1 x VGA port
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.
RAID	Require RAID add-in cards

PCIe Expansion Slots	Rear: 8 x FHFL PCIe Gen5 x16, for GPUs 2 x FHHL PCIe Gen5 x16, 3 x LP PCIe Gen5 x16 Front: 1 x FHHL PCIe Gen5 x16 *The system supports up to 8 x 600W GPUs with an optional fan kit. GPU video output ports are not available. *The system supports 8 x NVIDIA H200 NVL PCIe GPUs at 25°C ambient, arranged as two 4-GPU sets, each with a 4-way NVLink bridge. *The system supports 8 x RTX PRO™ 6000 Blackwell Server Edition GPUs at 25°C ambient.
I/O Ports	Front: 2 x USB 3.2 Gen1, 1 x VGA, 2 x RJ45, 1 x MLAN
Backplane Board	PCIe Gen5 x4 or SATA 6Gb/s or SAS-4 24Gb/s
TPM	1 x TPM header (SPI), Optional TPM2.0 kit: CTM010
Power Supply	Quad 3000W 80 PLUS Titanium redundant power supply AC Input: 100-240V *The system power supply requires C19 power cord.
System Management	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
System Fans	2 x 40x40x28mm 12 x 60x60x56mm
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)
Packaging Content	1 x G494-ZB4-AAP2 2 x CPU fansinks 8 x GPU power cables (16-pin, 150mm) 1 x L-shape Rail kit
Ordering Part Numbers	6NG494ZB4DR000ACP2*
Optional Parts	- 8080 fan kit for 600W GPUs: 6NG494SB0S0000AAP2* (packaging dimensions: L441 x W242 x H272 mm)



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