GIGABYTE™

G494-ZB0-AAP2

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

Key Features

- Supports up to 8 x dual-slot PCIe Gen5 GPUs
- **Conditionally** supports
  - 8 x NVIDIA H200 NVL PCIe GPUs with 4-way NVLink bridges
  - 8 x NVIDIA RTX PRO™ 6000 Blackwell Server Edition GPUs
  - 8 x AMD Instinct™ MI350P PCIe Cards
- Dual AMD EPYC™ 9005/9004 Server processors
- 12-Channel DDR5 RDIMM per CPU with 24 x DIMMs
- 2 x 10 Gb/s LAN ports via Intel® X710-AT2
- 2 x M.2 slots with PCIe Gen3 x4 and x1
- 8 x FHFL PCIe x16 slots with Gen5 x16 lanes for GPUs
- 2 x FHFL PCIe x16 slots with Gen5 x16 lanes
- Quad 3000 W 80 PLUS Titanium redundant power supplies

Specification

Dimensions	4U (W448 x H176 x D880 mm) (W448 x H176 x D1000.5 mm with optional fan kit)
Motherboard	MZB3-G43
CPU	AMD EPYC™ 9005 Server processors AMD EPYC™ 9004 Server processors Dual processors, cTDP up to 400 W - At 30°C ambient, cTDP up to 500 W
OS Compatibility	OS Support List
Socket	2 x LGA 6096 (Socket SP5)
Chipset	System on Chip
Memory	12-Channel DDR5 RDIMM per CPU, 24 x DIMMs [EPYC 9005] Up to 6400 MT/s [EPYC 9004] Up to 4800 MT/s
LAN	2 x 10 Gb/s LAN (1 x Intel® X710-AT2), Support NCSI 1 x 10/100/1000 Mb/s Management LAN
Video	Integrated in ASPEED® AST2600 - 1 x VGA port
Storage	**Internal M.2:** 1 x M.2 (2280/22110), PCIe Gen3 x4 1 x M.2 (2280/22110), PCIe Gen3 x1
PCIe Expansion Slots	8 x FHFL x16 (Gen5 x16), for GPUs 2 x FHFL x16 (Gen5 x16) *The system supports up to 8 x 600 W GPUs and 1 x dual-slot FHFL + 1 x single-slot FHFL for other AICs 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 the following GPUs at 25°C ambient: - 8 x **NVIDIA RTX PRO™ 6000 Blackwell Server Edition** GPUs - 8 x **AMD Instinct™ MI350P PCIe Cards**
I/O Ports	**Front:** 2 x USB 3.2 Gen1, 1 x VGA, 2 x RJ45, 1 x MLAN
TPM	1 x TPM header (SPI), Optional TPM 2.0 kit: CTM010
Power Supply	Quad 3000 W 80 PLUS Titanium redundant power supplies AC Input: 100-240 V *The system power supply requires C19 power cord.
System Fans	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-ZB0-AAP2 2 x CPU fansinks 8 x GPU power cables (16-pin, 150 mm) 1 x L-shape Rail kit
Ordering Part Numbers	6NG494ZB0DR000ACP2*
Optional Parts	- 8080 fan kit for 600 W GPUs: 6NG494ZBXK002AFN001* (packaging dimensions: L441 x W242 x H272 mm)

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

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