G493-ZB2-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
- 4 x PCIe Gen5 x16 FHFL expansion slots
- 2 x PCIe Gen5 x16 LP MD2 expansion slots on front side
- 3+1 3000W (240V) 80 PLUS Titanium redundant power supply

Specification

<table>
<thead>
<tr>
<th>Dimension</th>
<th>4U (W448 x H176 x D880 mm)</th>
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<tbody>
<tr>
<td>Motherboard</td>
<td>MZB3-G41</td>
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</table>
| 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 |
| Chipset | System on Chip |
| 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) |
| LAN | 2 x 1Gb/s BASE-T LAN ports (1 x Intel® I350-AM2)
- Supported NCSI function
- 1 x 10/100/1000 management LAN |
| Video | Integrated in Aspeed AST2600
- 2D Video Graphic Adapter with PCIe bus interface
1920x1200@60Hz 32bpp, DDR4 SDRAM |
| Storage | 12 x 2.5" Gen5 NVMe/SATA/SAS hot-swappable bays
- SAS card is required for SAS devices support |
| Expansion Slots | 8 x PCIe Genx x16 FHFL slots for GPUs
- 4 x PCIe Genx x16 FHFL slots on rear side
- 2 x PCIe Genx x16 Low-profile MD2 slots on front side
- 2 x M.2 slots (M-key, PCIe Gen3 x4, supports 2280/22110) |
| Front I/O | 2 x USB 3.2 Gen1, 1 x VGA, 2 x RJ45, 1 x MLAN |
| Rear I/O | N/A |
| Backplane I/O | PCIe Genx x4 or SATA 6Gb/s or SAS 12Gb/s |
| TPM | 1 x TPM header with SPI interface
Optional TPM2.0 kit: CTM010 |
| Power Supply | 3+1 3000W 80 PLUS Titanium redundant power supply
- AC Input: 100-240V |
| System Management | Aspeed® AST2600 management controller
GIGABYTE Management Console (AMI MegaRAC SP-X) |
| OS | 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 |
| System Fans | 6 x 60x60x38mm (23,000rpm) |
| 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) |
| Packaging Content | 1 x G493-ZB2, 2 x CPU heat sinks
1 x Rail kit |
| Reference Numbers | Barebone with rail kit: 6NG493ZB2DR000AAP1*
- Motherboard: 9MZB3G41UR-000
- Rail kit: 25HB2-A96100-K0R
- CPU fan-sink: 25G49-32B000-E57X
- Power supply: 25E0P-320005-01S
- C19 power cord 125V/15A (US): 25CP1-018000-Q0R (optional)
- C19 power cord 250V/16A (EU): 25CP3-01800H-Q0R (optional) |

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