GIGABYTE™

G482-Z54
HPC Server - 4U DP 8 x Gen4 GPUs

NVIDIA CERTIFIED
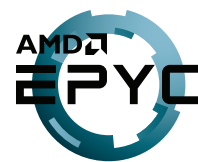
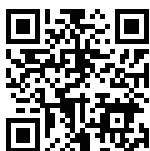**AMD EPYC**

Features

- Up to 8 x PCIe Gen4 GPGPU cards
- NVIDIA-Certified system
- Dual AMD EPYC™ 7003 Series processors
- 8-Channel RDIMM/LRDIMM DDR4 per processor, 32 x DIMMs
- 2 x 1Gb/s BASE-T LAN ports
- 1 x dedicated management port
- 2 x 2.5" NVMe, 8 x 2.5" SATA hot-swappable HDD/SSD bays
- 8 x FHFL Gen4 expansion slots for GPU cards
- 1 x FHFL PCIe Gen4 x16 expansion slot
- 3 x 80 PLUS Platinum 2200W redundant PSU

Specification

Dimensions	4U (W448 x H176 x D800 mm)
Motherboard	MZ52-G41 Rev. 3.0
CPU	AMD EPYC™ 7003 Series processors Dual processors, 7nm, Socket SP3 Up to 64-core, 128 threads per processor TDP up to 225W, cTDP up to 280W, Fully support 280W Compatible with AMD EPYC™ 7002 Series processors
Chipset	System on Chip
Memory	8-Channel DDR4 memory, 32 x DIMM slots RDIMM/LRDIMM modules up to 128GB supported 3DS RDIMM/LRDIMM modules up to 256GB supported Memory speed: Up to 3200/ 2933 MHz
LAN	2 x 1Gb/s BASE-T LAN ports (Intel® I350-AM2) 1 x 10/100/1000 management LAN
Video	Integrated in Aspeed® AST2500 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp
Storage	2 x 2.5" Gen4 U.2, 8 x 2.5" SATA hot-swap HDD/SSD bays NOTE: non-supported SAS devices
RAID	N/A
Expansion Slots	8 x PCIe x16 slots (Gen4 x16) for GPUs 1 x FHFL PCIe Gen4 x16 expansion slot in rear side
Front I/O	2 x USB 3.0, 1 x VGA, 2 x RJ45, 1 x MLAN
Rear I/O	N/A

Backplane I/O	2 x NVMe and 8 x SATA ports
TPM	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
Power Supply	3 x 2200W 80 PLUS Platinum power supply AC Input: 100-240V
System Management	Aspeed® AST2500 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
OS Compatibility	Windows Server 2016 / 2019 RHEL 8.3 (x64) or later SLES 12 SP5 (x64) / 15 SP2 (x64) or later Ubuntu 18.04.5 LTS (x64) / 20.04 LTS (x64) or later VMware ESXi 6.7 Update3 P03 / 7.0 Update1 or later Citrix Hypervisor 8.2.0 or later
System Fans	12 x 60x60x38mm (21,700rpm)
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 G482-Z54 2 x CPU heatsinks 1 x Rail kit
Reference Numbers	Barebone with rail kit: 6NG482Z54MR-00 Rev. A00 - Motherboard: 9MZ52G41NR-00 - Rail kit: 25HB2-A96100-K0R - CPU fan-sink: 12SF2-01A067-00R - Power supply: 25EP0-222003-D0S

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