GIGABYTE™

# G482-Z54 (Rev. A00)

HPC/AI Server - AMD EPYC™ 7003/7002 Series Processors - 4U DP 8 x PCIe Gen4 GPUs

## Key Features

- NVIDIA-Certified Systems™ - Data Center Servers
- Supports up to 8 x dual-slot PCIe Gen4 GPUs
- Dual AMD EPYC™ 7003/7002 Series processors
- 8-Channel DDR4 RDIMM/LRDIMM per CPU with 32 x DIMMs
- 2 x 1 Gb/s LAN ports via Intel® I350-AM2
- 2 x 2.5" Gen4 NVMe hot-swap bays
- 8 x 2.5" SATA hot-swap bays
- 8 x FHFL PCIe Gen4 x16 slots for GPUs
- 1 x FHFL PCIe Gen4 x16 slot
- 2+1 2200 W 80 PLUS Platinum redundant power supplies **(-A00)**
- 2+1 2200 W 80 PLUS Titanium redundant power supplies **(-AT0)**

## Applications

AI Platform, AI Training Server, AI Inference Server, High-Performance Computing Server...

## Specification

| | |
|---|---|
| **Dimensions** | 4U (W448 x H176 x D880 mm) |
| **Motherboard** | MZ52-G41 Rev. 3.0 |
| **CPU** | AMD EPYC™ 7003 Series Processors<br>AMD EPYC™ 7002 Series Processors<br>Dual processor, cTDP up to 280 W |
| **Socket** | 2 x LGA 4094 (Socket SP3) |
| **Chipset** | System on Chip |
| **Memory** | 8-Channel DDR4 RDIMM/LRDIMM, 32 x DIMMs<br>Up to 3200/2933 MT/s |
| **LAN** | 2 x 1 Gb/s LAN (1 x Intel® I350-AM2), Support NCSI<br>1 x 10/100/1000 Mb/s Management LAN |
| **Video** | Integrated in ASPEED® AST2500<br>- 1 x VGA port |
| **Storage** | **Front hot-swap:**<br>2 x 2.5" Gen4 NVMe<br>8 x 2.5" SATA [1]<br><br>[1] SATA devices supported only. |
| **RAID** | N/A |
| **PCIe Expansion Slots** | 8 x FHFL x16 (Gen4 x16), for GPUs<br>1 x FHFL x16 (Gen4 x16) |
| **I/O Ports** | **Front:**<br>2 x USB 3.0, 1 x VGA, 2 x RJ45, 1 x MLAN |
| **Backplane Board** | PCIe Gen4 x4 or SATA 6 Gb/s |
| **TPM** | 1 x TPM header (SPI), Optional TPM 2.0 kit: CTM010 |
| **Power Supply** | 2+1 2200 W 80 PLUS Platinum redundant power supplies **(-A00)**<br>2+1 2200 W 80 PLUS Titanium redundant power supplies **(-AT0)**<br>AC Input: 100-240 V<br><br>*The system power supply requires C19 power cord. |
| **System Management** | ASPEED® AST2500 Baseboard Management Controller<br>GIGABYTE Management Console web interface |
| **System Fans** | 12 x 60x60x38mm |
| **Operating Properties** | Operating: 10°C to 35°C, 8% to 80% (non-condensing)<br>Non-operating: -40°C to 60°C, 20% to 95% (non-condensing) |
| **Packaging Content** | 1 x G482-Z54<br>2 x CPU fansinks<br>8 x GPU power cables (CPU 8pin, 100mm)<br>1 x L-shape Rail kit |
| **Ordering Part Numbers** | 6NG482Z54MR-00-A* |
| **Optional Parts** | - C19 power cord 125V/15A (US): 25CP1-018000-Q0R<br>- C19 power cord 250V/16A (EU): 25CP3-01830H-Q0R<br>- C19 power cord 125V/15A (JP): 25CPA-01830B-Q0R<br>- GPU power cable (PCIe 8pin, 100mm): 25CRI-100001-B0R |

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

* All specifications are subject to change without notice. Please visit our website for the latest information.
* All trademarks and logos are the properties of their respective holders.
© 2026 Giga Computing Technology Co., Ltd. All rights reserved.

Last updated: Aug 10, 2026

Designed by GIGA COMPUTING