

G482-Z52

HPC Server - 4U DP 8 x Gen4 GPUs



Features

- Up to 8 x PCIe Gen4 GPGPU cards
- Dual AMD EPYC™ 7002 series processor family
- 8-Channel RDIMM/LRDIMM DDR4, 32 x DIMMs
- 2 x 1Gb/s BASE-T LAN ports (Intel® I350-AM2)
- 1 x dedicated management port
- 8 x SATA 2.5" hot-swappable HDD/SSD bays
- 8 x FHFL Gen4 expansion slots for GPU card
- 1 x low profile PCIe Gen4 x16 expansion slot
- Aspeed® AST2500 remote management controller
- 3 x 80 PLUS Platinum 2200W redundant PSU

Specification

| | | | |
|------------------------|---|-----------------------------|--|
| Dimensions | 4U (W448 x H176 x D800 mm) | Backplane I/O | 8 x 2.5" ports; Supports SATA 6Gb/s |
| Motherboard | MZ52-G40 | TPM | 1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010 |
| CPU | AMD EPYC™ 7002 series processor family Dual processors, 7nm, Socket SP3 Up to 64-core, 128 threads per processor TDP up to 225W, cTDP up to 240W, Fully support 280W Compatible with AMD EPYC™ 7001 series processor family | Power Supply | 3 x 2200W 80 PLUS Platinum power supply |
| Chipset | System on Chip | System Management | Aspeed® AST2500 management controller GIGABYTE Management Console (AMI MegaRAC SP-X) |
| Memory | 8-Channel DDR4 memory, 32 x DIMM slots RDIMM/LRDIMM modules up to 128GB supported Memory speed: Up to 3200/ 2933 MHz | OS Compatibility | Windows Server 2016 / 2019 RHEL 7.6 (x64) / 8.0 (x64) or later SLES 12 SP4 (x64) / 15 SP1 (x64) or later Ubuntu 16.04.6 LTS (x64) / 18.04.3 LTS (x64) / 20.04 LTS (x64) VMware ESXi 6.5 EP15 / 6.7 Update3 / 7.0 or later Citrix Hypervisor 8.1.0 |
| LAN | 2 x 1Gb/s BASE-T LAN ports (Intel® I350-AM2) 1 x 10/100/1000 management LAN | Weight | Net Weight: 29.5 kg / Gross Weight: 47.5 kg |
| Video | Integrated in Aspeed® AST2500 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp | System Fans | 6 x 60x60x76mm (21,700rpm) |
| Storage | 8 x 2.5" SATA hot-swappable HDD/SSD bays NOTE: SATA devices supported only | 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) |
| SATA | Supported | Packaging Content | 1 x G482-Z52 2 x CPU heatsinks 1 x Rail kit |
| SAS | N/A | Reference Numbers | Barebone with rail kit: 6NG482Z53MR-00 - Motherboard: 9MZ52G40NR-00 - Rail kit: 25HB2-A96100-K0R - CPU fan-sink: 12SF2-01A067-00R - Fan module kit: 6NG481HAASR-00-100 - Power supply: 25EP0-222003-D0S - C19 type power cord 125V/15A (US): 25CP1-018000-Q0R (an as option) - C19 type power cord 250V/16A (EU): 25CP3-01830H-Q0R (an as option) - C19 type power cord 250V/15A (US): 25CP1-018300-Q0R (an as option) |
| Expansion Slots | 8 x PCIe x16 slots (Gen4 x16) for GPUs 1 x low profile PCIe Gen4 x16 expansion slot in rear side* * Non-supported SAS Card with internal cable due to cable routing limitation | | |
| Internal I/O | 1 x TPM header, 1 x Front panel header | | |
| Front I/O | 2 x USB 3.0, 1 x VGA, 2 x RJ45, 1 x MLAN | | |
| Rear I/O | - | | |

* All specifications are subject to change without notice. Please visit our website for the latest information.

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