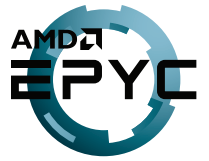


# G482-Z53

## HPC Server - 4U DP 8 x Gen4 GPUs



### Features

- Up to 8 x PCIe Gen4 GPGPU cards
- 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

<b>Dimensions</b>	4U (W448 x H176 x D800 mm)	<b>Backplane I/O</b>	8 x 2.5" ports (supports SATA 6Gb/s)
<b>Motherboard</b>	MZ52-G40 Rev. 3.0	<b>TPM</b>	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
<b>CPU</b>	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	<b>Power Supply</b>	3 x 2200W 80 PLUS Platinum power supply AC Input: 100-240V
<b>Chipset</b>	System on Chip	<b>System Management</b>	Aspeed® AST2500 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
<b>Memory</b>	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	<b>OS Compatibility</b>	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
<b>LAN</b>	2 x 1Gb/s BASE-T LAN ports (Intel® I350-AM2) 1 x 10/100/1000 management LAN	<b>System Fans</b>	12 x 60x60x38mm (21,700rpm)
<b>Video</b>	Integrated in Aspeed® AST2500 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp	<b>Operating Properties</b>	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)
<b>Storage</b>	2 x 2.5" Gen4 U.2, 8 x 2.5" SATA hot-swap HDD/SSD bays NOTE: non-supported SAS devices	<b>Packaging Content</b>	1 x G482-Z53 2 x CPU heatsinks 1 x Rail kit
<b>RAID</b>	N/A	<b>Reference Numbers</b>	Barebone with rail kit: 6NG482Z53MR-00 Rev. A00 - 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
<b>Expansion Slots</b>	8 x PCIe x16 slots (Gen4 x16) for GPUs 1 x low profile PCIe Gen4 x16 expansion slot in rear side		
<b>Front I/O</b>	2 x USB 3.0, 1 x VGA, 2 x RJ45, 1 x MLAN		
<b>Rear I/O</b>	N/A		



Learn more about GIGABYTE server solutions, visit [www.gigabyte.com/Enterprise](http://www.gigabyte.com/Enterprise)

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