

G482-Z53

HPC Server - 4U DP 8 x Gen4 GPUs



AMD
INSTINCT



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 cards
- 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-Z53 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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