

G492-Z51

HPC System - 4U DP 10 x Gen4 GPU Server



AMD
INSTINCT



Features

- Up to 10 x PCIe Gen4 GPU cards
- NVIDIA-Certified system
- Dual AMD EPYC™ 7003 Series processors
- 8-Channel RDIMM/LRDIMM DDR4 per processor, 32 x DIMMs
- 2 x 10Gb/s BASE-T LAN ports (Intel® X550-AT2)
- 1 x dedicated management port
- 8 x NVMe/SATA, 4 x SATA/SAS 3.5" hot-swap HDD/SSD
- 10 x FHFL Gen4 expansion slots for GPU cards
- 3 x low profile PCIe Gen4 expansion slots
- 1 x OCP 3.0 Gen4 x16 mezzanine slot in rear side
- AST2500 Graphics & Remote Management controller
- 3 x 80 PLUS Platinum 2200W (240V) redundant PSU

Specification

Dimensions	4U (W448 x H176 x D880 mm)	Backplane I/O	12 x 3.5" ports Speed and bandwidth: PCIe Gen3 or SAS 12Gb/s or SATA 6Gb/s
Motherboard	MZ52-G40 Rev. 3.0	TPM	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
CPU	AMD EPYC™ 7003 Series processors Dual processors, 7nm technology, cTDP up to 280W Up to 64-core, 128 threads per processor Compatible with AMD EPYC™ 7002 Series processors	Power Supply	3 x 80 PLUS Platinum 2200W (240V) redundant PSU
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 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
LAN	2 x 10Gb/s BASE-T LAN ports (Intel® X550-AT2) 1 x 10/100/1000 management LAN	Weight	Net Weight: 30.5 kg / Gross Weight: 48.5 kg
Video	Integrated in Aspeed® AST2500 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp, DDR4 SDRAM	System Fans	4 x 40x40x28mm (25,000rpm) 12 x 60x60x38mm (21,700rpm)
Storage	12 x 3.5" hot-swappable HDD/SSD bays - 8 x amber trays compatible with Gen3 U.2 or SATA/SAS devices - 4 x blue trays compatible with SATA/SAS devices only SAS card is required for SAS devices support	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 G492-Z51 2 x CPU fan-sinks 1 x Rail kit
SAS	Supported	Reference Numbers	Barebone with rail kit: 6NG492Z51MR-00 Rev. A00 - Motherboard: 9MZ52G40NR-00 - Rail kit: 25HB2-A96100-K0R - CPU fan-sink: 12SF2-01A067-00R - Back plane board_12-port: 9CBP20C2NR-00 - Front panel board: 9CFPG015NR-00 - Fan module kit: 6NG481HAASR-00-100 - Power supply: 25EP0-222003-D0S - C19 type power cord 125V/15A (US): 25CP1-018000-Q0R (option) - C19 type power cord 250V/16A (EU): 25CP3-01830H-Q0R (option) - C19 type power cord 250V/15A (US): 25CP1-018300-Q0R (option)
RAID	In option		
Expansion Slots	10 x PCIe x16 slots (Gen4 x16) for GPUs (Broadcom solution) 3 x PCIe x16 (Gen4 x16) Half-length low-profile slots 1 x OCP 3.0 mezzanine slot with PCIe Gen4 x16		
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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