

## G492-Z52

HPC Server - 4U DP 10 x Gen4 GPU



### Features

- Up to 10 x PCIe Gen4 GPU cards
- Dual AMD EPYC™ 7003 series processor family
- 8-Channel RDIMM/LRDIMM DDR4, 32 x DIMMs
- Dual ROM Architecture supported
- 2 x 1Gb/s LAN ports (Intel® I350-AM2)
- 1 x dedicated management port
- 4 x 3.5"/2.5" Gen4 NVMe hot-swap HDD/SSD bays
- 4 x 3.5"/2.5" Gen4 NVMe/SATA hot-swap HDD/SSD bays
- 4 x 3.5"/2.5" SATA/SAS hot-swap HDD/SSD bays
- 3 x low profile PCIe Gen4 expansion slots
- 1 x OCP 3.0 Gen4 x16 mezzanine slot in rear side
- 3 x 80 PLUS Platinum 2200W (240V) redundant PSU

### Specification

<b>Dimensions</b>	4U (W448 x H176 x D880 mm)	<b>Backplane I/O</b>	Backplane PN: 9CBP20C5NR-00 12 ports Speed and bandwidth: SAS 12Gb/s, SATA 6Gb/s or PCIe Gen4
<b>Motherboard</b>	MZ52-G42 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 technology, Up to 64-core, 128 threads per processor TDP up to 240W, cTDP up to 280W Compatible with AMD EPYC™ 7002 Series processors	<b>Power Supply</b>	3 x 2200W redundant PSUs AC Input: 100-240V
<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>System Management</b>	Aspeed® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
<b>LAN</b>	2 x 1Gb/s LAN ports (Intel® I350-AM2) 1 x 10/100/1000 management LAN	<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>Video</b>	Integrated in Aspeed® AST2600 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp, DDR4 SDRAM	<b>System Fans</b>	4 x 40x40x28mm (25,000rpm) 1 x 55x55x7.5mm (6,000rpm) 12 x 60x60x38mm (21,700rpm)
<b>Storage</b>	12 x 3.5" or 2.5" hot-swappable HDD/SSD bays - 4 x green HDD trays compatible with NVMe devices - 4 x green HDD trays compatible with NVMe or SATA/SAS devices - 4 x blue HDD trays compatible with SATA/SAS devices SAS card is required for SAS devices support	<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>Expansion Slots</b>	10 x PCIe x16 (Gen4 x16) slots for GPUs 2 x PCIe x16 (Gen4 x16) Half-length low-profile slots 1 x PCIe x16 (Gen4 x8) Half-length low-profile slot 1 x OCP 3.0 mezzanine slot with PCIe Gen4 x16	<b>Packaging Content</b>	1 x G492-Z52, 2 x CPU fan-sinks, 1 x Rail kit
<b>Front I/O</b>	2 x USB 3.0, 1 x VGA, 2 x RJ45, 1 x MLAN	<b>Reference Numbers</b>	Barebone with rail kit: 6NG492Z52MR-00 Rev. A00 - Motherboard: 9MZ52G42NR-00 - Rail kit: 25HB2-A96100-K0R - CPU fan-sink: 12SF2-01A067-00R - Power supply: 25EP0-222003-D0S
<b>Rear I/O</b>	N/A		



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