

G492-ZL2

HPC Server - 4U DP SXM4 A100 8-GPU



Features

- Liquid cooling GPU server solution
- Supports NVIDIA HGX™ A100 with 8 x SXM4 GPU
- Supports NVIDIA® NVLink® and NVSwitch™ technology
- Up to 600GB/s GPU to GPU interconnection
- Dual AMD EPYC™ 7003 series processors
- 8-Channel RDIMM/LRDIMM DDR4, 32 x DIMMs
- 2 x 10Gb/s BASE-T LAN ports (Intel® X710-AT2)
- 1 x dedicated management port
- 6 x 2.5" Gen4 U.2 NVMe/ SATA hot-swap HDD/SSD bays
- Ultra-Fast M.2 with PCIe Gen4 x4 interface
- 10 x Low profile Gen4 x16 expansion slots
- 3000W 80 PLUS Platinum redundant power supply

Specification

Dimensions	4U (W448 x H175.2 x D900 mm)	TPM	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
Motherboard	MZ52-G41 Rev. 3.1	Power Supply	3+1 3000W 80 PLUS Platinum redundant power supply AC Input: 100-240V
CPU	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	System Management	Aspeed® AST2500 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
Chipset	System on Chip	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
Memory	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	System Fans	11 x 80x80x80mm (17,000rpm) 6 x 40x40x56mm (23,000rpm) 4 x 40x40x28mm (25,000rpm)
LAN	2 x 10Gb/s BASE-T LAN ports (Intel® X710-AT2) 1 x 10/100/1000 management LAN	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)
Video	Integrated in Aspeed® AST2500 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp, DDR4 SDRAM	Packaging Content	1 x G492-ZL2 1 x Rail kit
Storage	6 x 2.5" Gen4 U.2 NVMe/ SATA hot-swap HDD/SSD bays	Reference Numbers	Barebone with rail kit: 6NG492ZD2MR-00-Gxx (80GB module) - Motherboard: 9MZ52G41NR-00 - Rail kit: 25HB2-A96101-K0R - Back plane board: 9CBPG060NR-00 - Front panel board: 9CFPG430NR-00 - Power supply: 25EPO-230003-D0S - M.2 extension board: 9CMTPO62NR-00
Expansion Slots	8 x SXM4 sockets for NVIDIA HGX A100 8-GPU 40GB/80GB 10 x Low-profile PCIe Gen4 x16 expansion slots 2 x M.2 slots: M-key; PCIe Gen4 x4; supports NGFF-2242/2260/2280		
Front I/O	2 x USB 3.0, 1 x VGA, 2 x RJ45, 1 x MLAN		
Rear I/O	N/A		
Backplane I/O	6 x 2.5" NVMe/ SATA hybrid ports Speed and bandwidth: PCIe Gen4 or SATA 6Gb/s		



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