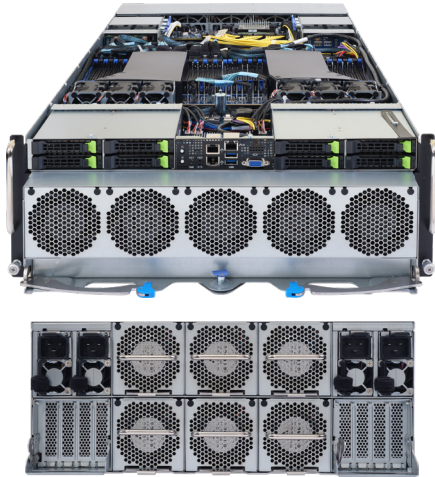# GIGABYTE™

G492-ZD0

HPC Server - 4U DP SXM4 A100 8-GPU

Features

- 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™ 7002 series processor family
- 8-Channel RDIMM/LRDIMM DDR4, 32 x DIMMs
- 2 x 10Gb/s BASE-T LAN ports (Intel® X550-AT2)
- 1 x dedicated management port
- 8 x 2.5" Gen4 U.2 NVMe/ SATA hot-swap HDD/SSD bays
- 8 x Low profile Gen4 x16 expansion slots
- 3+1 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-G40	**Power Supply**	3+1 x 3000W 80 PLUS Platinum redundant power supply
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	**System Management**	Aspeed® AST2500 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
Chipset	System on Chip	**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 or later
Memory	8-Channel DDR4 memory, 32 x DIMM slots Total up to 8TB 3DS/ RDIMM/ LRDIMM modules supported Memory speed: Up to 3200/ 2933 MHz		
LAN	2 x 10Gb/s BASE-T LAN ports (Intel® X550-AT2) 1 x 10/100/1000 management LAN	**Weight**	Net Weight: 72 kg
		System Fans	Front Side: 5 x 80x80x28mm (25,000rpm) Rear Side: 6 x 60x60x76mm (21,700rpm)
Video	Integrated in Aspeed® AST2500 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp, DDR4 SDRAM	**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)
Storage	8 x 2.5" Gen4 U.2 NVMe/ SATA hot-swap HDD/SSD bays		
SATA	Supported	**Packaging Content**	1 x G492-ZD0 2 x CPU fan-sinks 1 x Rail kit
SAS	N/A		
Expansion Slots	8 x SXM4 sockets for NVIDIA HGX A100 8-GPU 40GB/80GB 8 x Low-profile PCIe Gen4 x16 expansion slots	**Reference Numbers**	Barebone with rail kit: 6NG492ZD0MR-00-1xx (40GB module) Barebone with rail kit: 6NG492ZD0MR-00-8xx (80GB module)
Internal I/O	1 x TPM header, 1 x Front panel header		- Motherboard: 9MZ52G40NR-00 - Rail kit: 25HB2-A96101-K0R - CPU fan-sink: 25ST1-44320P-A3R
Front I/O	2 x USB 3.0, 1 x VGA, 2 x RJ45, 1 x MLAN		- Back plane board: 9CBP2023NR-00 - Front panel board: 9CFPG110NR-00
Rear I/O	-		- Power supply: 25EP0-230003-D0S - C19 type power cord 125V/15A (US): 25CP1-018000-Q0R (an as option)
Backplane I/O	8 x 2.5" NVMe/ SATA hybrid ports Speed and bandwidth: PCIe Gen4 or SATA 6Gb/s		- C19 type power cord 250V/16A (EU): 25CP3-01830H-Q0R (an as option)