

## G492-ID0

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 3rd Gen. Intel® Xeon® Scalable 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
- 3+1 3000W 80 PLUS Platinum redundant power supply

### Specification

<b>Dimensions</b>	4U (W448 x H175.2 x D945 mm)	<b>TPM</b>	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
<b>Motherboard</b>	MG62-G41	<b>Power Supply</b>	3+1 3000W 80 PLUS Platinum redundant power supply AC Input: 100-240V
<b>CPU</b>	3rd Generation Intel® Xeon® Scalable Processors Dual processors, 10nm technology CPU TDP up to 270W	<b>System Management</b>	Aspeed® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
<b>Socket</b>	2 x LGA 4189 (Socket P+)	<b>OS Compatibility</b>	Windows Server 2016 / 2019 RHEL 8.2 (x64) / 8.3 (x64) or later SLES 12 SP5 (x64) / 15 SP2 (x64) or later Ubuntu 20.04 LTS (x64) / 20.04.1 LTS (x64) or later VMware ESXi 6.7 Update3 P03 / 7.0 Update2 Citrix Hypervisor 8.2.0
<b>Chipset</b>	Intel® C621A Express Chipset	<b>System Fans</b>	11 x 80x80x80mm (17,000rpm) 6 x 40x40x56mm (23,000rpm) 4 x 40x40x28mm (25,000rpm)
<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 1.2V modules: 3200/2933/2666 MHz	<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>LAN</b>	2 x 10Gb/s BASE-T LAN ports (Intel® X710-AT2) 1 x 10/100/1000 management LAN	<b>Packaging Content</b>	1 x G492-ID0, 2 x CPU fan-sinks, 1 x Rail kit
<b>Video</b>	Integrated in Aspeed® AST2600 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp, DDR4 SDRAM	<b>Reference Numbers</b>	Barebone with rail kit: 6NG492ID0MR-00-1xx (40GB module) Barebone with rail kit: 6NG492ID0MR-00-Gxx (80GB module) - Motherboard: 9MG62G41NR-00 - VROC module: 25FD0-R181N0-10R - Rail kit: 5HB2-A96101-K0R - CPU heatsink: 25ST1-253201-M1R - Back plane board: 9CBPG060NR-00 - Front panel board: 9CFPG430NR-00 - Power supply: 25EPO-230003-DOS
<b>Storage</b>	6 x 2.5" Gen4 U.2 NVMe/ SATA hot-swap HDD/SSD bays		
<b>RAID</b>	Intel® SATA RAID 0, 1, 10, 5		
<b>Expansion Slots</b>	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		
<b>Front I/O</b>	2 x USB 3.0, 1 x VGA, 2 x RJ45, 1 x MLAN		
<b>Rear I/O</b>	-		
<b>Backplane I/O</b>	6 x 2.5" NVMe/ SATA hybrid ports Speed and bandwidth: PCIe Gen4 or SATA 6Gb/s		



Learn more about GIGABYTE server solutions, visit [www.gigabyte.com/Enterprise](http://www.gigabyte.com/Enterprise)

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