

G492-HA0

HPC System - 4U DP 10 x Gen4 GPU Server



Features

- Up to 10 x PCIe Gen4 GPU cards
- 3rd Gen. Intel® Xeon® Scalable Processors
- 8-Channel RDIMM/LRDIMM DDR4 per processor, 32 x DIMMs
- Intel® C621A Express Chipset
- Dual ROM technology supported
- Supports Intel® Optane™ Persistent Memory 200 series
- 1 x dedicated management port
- 2 x 10Gb/s BASE-T LAN ports (Intel® X550-AT2)
- 4 x SATA, 8 x Gen4 U.2/SATA 3.5" hot-swap HDD/SSD bays
- 3 x low profile PCIe Gen4 expansion slots
- 1 x OCP 3.0 Gen4 x16 mezzanine slot
- 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" or 2.5" ports Speed and bandwidth: PCIe Gen4 or SAS 12Gb/s or SATA 6Gb/s
Motherboard	MG62-G41	TPM	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
CPU	3rd Gen Intel® Xeon® Scalable Processors Intel® Xeon® Platinum Processor, Intel® Xeon® Gold Processor, Intel® Xeon® Silver Processor 10nm technology, CPU TDP up to 270W 2 x LGA 4189 sockets (Socket P+)	Power Supply	3 x 80 PLUS Platinum 2200W (240V) redundant PSU
Chipset	Intel® C621A Express Chipset	System Management	Aspeed® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
Memory	8-Channel DDR4 memory, 32 x DIMM slots RDIMM modules up to 64GB supported LRDIMM modules up to 128GB supported 3DS RDIMM/LRDIMM modules up to 256GB supported 1.2V modules: 3200/2933/2666 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® AST2600 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	4 x 3.5" / 2.5" SATA/SAS hot-swap HDD/SSD bays 8 x 3.5" / 2.5" SATA/SAS/Gen4 NVMe hot-swap HDD/SSD bays 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)
RAID	Intel® SATA RAID 0, 1, 10, 5 Intel® Virtual RAID On CPU (VROC) RAID 0, 1, 10, 5 Note: VROC module is compatible for Intel® SSD only	Packaging Content	1 x G492-HA0, 2 x CPU fan-sinks, 1 x VROC module, 1 x Rail kit
Expansion Slots	10 x PCIe x16 slots (Gen4 x16) for GPUs 3 x PCIe x16 (Gen4 x16) Half-length low-profile slots 1 x OCP 3.0 mezzanine slot with PCIe Gen4 x16	Reference Numbers	Barebone with rail kit: 6NG492HA0MR-00 - Motherboard: 9MG62G41NR-00 - VROC module: 25FD0-R181N0-10R - Rail kit: 25HB2-420100-CGR - CPU heatsink: 25ST1-323206-A0R - Fan module kit: 6NG481HAASR-00-100 - Storage adapter: 9CRA3338NR-00 - Power supply: 25EPO-222001-D0S - C19 type power cord 125V/15A (US): 25CP1-018000-Q0R (optional) - C19 type power cord 250V/16A (EU): 25CP3-01830H-Q0R (optional) - C19 type power cord 250V/15A (US): 25CP1-018300-Q0R (optional)
Internal I/O	1 x TPM header, 1 x VROC connector, 1 x Front VGA header, 1 x Serial 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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