G492-H80
HPC System - 4U DP 8 x Gen4 GPU Server

Features
- Up to 8 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)
- 12 x 3.5" or 2.5" SATA/SAS hot-swappable HDD/SSD bays
- 3 x 80 PLUS Platinum 2200W (240V) redundant PSU

Specification
- **Dimensions**: 4U (W448 x H176 x D880 mm)
- **Motherboard**: 9MG62-G41
- **CPU**: 3rd Gen Intel® Xeon® Scalable Processors, Intel® Xeon® Platinum Processor, Intel® Xeon® Gold Processor, Intel® Xeon® Silver Processor
- **Chipset**: Intel® C621A Express Chipset
- **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
- **LAN**: 2 x 10Gb/s BASE-T LAN ports (Intel® X550-AT2)
- **Video**: Integrated in Aspeed® AST2600
  - 2D Video Graphic Adapter with PCIe bus interface
  - 1920x1200@60Hz 32bpp, DDR4 SDRAM
- **Storage**: 12 x 3.5" / 2.5" SATA/SAS hot-swap HDD/SSD bays
  - SAS card is required for SAS devices support
- **RAID**: Intel® SATA RAID 0, 1, 10, 5
- **Expansion Slots**: 8 x PCIe x16 slots (Gen4 x16) for GPUs
- **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**: -

Backplane I/O
- 12 x 3.5" or 2.5" SATA/SAS ports
- Bandwidth: SATA 6Gb/s or SAS 12Gb/s per port
- **TPM**: 1 x TPM header with SPI interface
  - Optional TPM2.0 kit: CTM010
- **Power Supply**: 3 x 80 PLUS Platinum 2200W (240V) redundant PSU
- **System Management**: Aspeed® AST2600 management controller
  - GIGABYTE Management Console (AMI MegaRAC SP-X)
- **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
- **System Fans**: 4 x 4040x28mm (25,000rpm)
  - 6 x 60x80x76mm (21,700rpm)
- **Operating Properties**: Operating temperature: 10°C to 35°C
  - Operating humidity: 8-80% (non-condensing)
- **Packaging Content**: 1 x G492-H80, 2 x CPU fan-sinks, 1 x Rail kit

Reference Numbers
- Barebone with rail kit: 6NG492H80MR-00
  - Motherboard: 9MG62-G41NR-00
  - CPU: 25HB2-420100-CGR
  - CPU heatsink: 25ST1-323206-A0R
  - Fan module: 6NG481HAASR-00-100
  - Storage adapter: 9CRA3338NR-00
  - Power supply: 25EP0-222001-0DS
  - C19 type power cord: 125V/15A (US): 25CP1-018000-Q0R
  - C19 type power cord: 250V/16A (EU): 25CP3-01830H-Q0R (optional)
  - C19 type power cord: 250V/15A (US): 25CP1-018300-Q0R (optional)

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