G292-280
HPC Server - 2U DP 8 x GPUs

**Features**

- Supports up to 8 x double slot GPU cards
- 3rd Gen. Intel® Xeon® Scalable Processors
- 8-Channel RDIMM/LRDIMM DDR4 per processor, 24 x DIMMs
- Dual ROM technology supported
- 2 x 10Gb/s BASE-T LAN ports (Intel® X710-AT2)
- 1 x Dedicated management port
- 4 x 2.5" SATA/SAS hot-swappable HDD/SSD bays
- 4 x 2.5" SATA/SAS/Gen4 NVMe hot-swappable HDD/SSD bays
- 2 x PCIe x16 Half-length low-profile slots for add-on cards
- Aspeed® AST2600 management controller
- Dual 3200W 8 PLUS Platinum hot-swap power supply

**Specification**

- **Dimensions**: 2U (W448 x H87.5 x D800 mm)
- **Motherboard**: MG52-G20
- **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 (Socket P+)
- **Chipset**: Intel® C621A Express Chipset
- **Memory**: 8-Channel DDR4 memory, 24 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® X710-AT2)
  - 1 x 10/100/1000 management LAN
- **Video**: Integrated in Aspeed® AST2600
  - 2D Video Graphic Adapter with PCIe bus interface
  - 1920x1200@60Hz 32bpp, DDR4 SDRAM
- **Storage**: 4 x 2.5" SATA/SAS hot-swappable HDD/SSD bays
  - 8 x PCIe x16 slots (Gen4 x16 bus) for GPUs
  - 2 x PCIe x16 (Gen4 x16 bus) Half-length low-profile slots
- **Rear I/O**: 2 x USB 3.0, 1 x VGA, 2 x RJ45, 1 x MLAN
- **Backplane I/O**: 8 x SAS/SATA/Gen4 NVMe ports
  - Bandwidth: SATAIII 6Gb/s, SAS 12Gb/s or PCIe Gen4 x4
- **TPM**: 1 x TPM header with SPI interface
  - Optional TPM2.0 kit: CTM010
- **Power Supply**: 2+0 3200W 8 PLUS Platinum hot-swap power supply
  - AC Input: 100-240V
- **System Management**: Aspeed® AST2600 management controller
  - GIGABYTE Management Console (AMI MegaRAC SP-X)
- **OS Compatibility**: 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
- **System Fans**: 8 x 80x80x38mm (16300rpm)
- **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)
- **Package Contents**: 1 x G292-280 system, 2 x CPU heatsinks, 1 x Rail kit

Learn more about GIGABYTE server solutions, visit www.gigabyte.com/Enterprise

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