**G292-2G0**

**HPC Server - 2U DP 16 x GPUs**

**Features**

- Supports up to 16 x single 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
- 4 x 2.5" SATA/SAS/Gen4 NVMe hot-swappable HDD/SSD bays
- SAS cant is required for SAS devices support

**Expansion Slots**

- 16 x PCIe x16 single 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

**Power Consumption**

- 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 G292-2G0 system, 2 x CPU heatsinks, 1 x Rail kit

**Reference Numbers**

- Barebone with rail kit: 6NG2922G0MR-00
- Motherboard: 9MG52G20NR-00
- Tool-less rail kit: 25HB2-A86102-K0R
- Power supply: 25EP0-222001-DOS

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