**G492-ZD0**

**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 AMD EPYC™ 7003 Series processors
- 8-Channel RDIMM/LRDIMM DDR4, 32 x DIMMs
- 2 x 10Gb/s BASE-T LAN ports (Intel® X550-AT2)
- 1 x dedicated management port
- 8 x 2.5" Gen4 U.2 NVMe/ SATA hot-swap HDD/SSD bays
- 8 x Low profile Gen4 x16 expansion slots
- 3+1 3000W 80 PLUS Platinum redundant power supply

**Specification**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>4U (W448 x H175.2 x D900 mm)</th>
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<tbody>
<tr>
<td>Motherboard</td>
<td>MZ52-G40 Rev. 3.0</td>
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</table>
| CPU             | AMD EPYC™ 7003 Series processors
- Dual processors, 7nm technology,
- Up to 64-core, 128 threads per processor
- TDP up to 240W, cTDP up to 280W
- Compatible with AMD EPYC™ 7002 Series processors |
| Chipset         | System on Chip                 |
| Memory          | 8-Channel DDR4 memory, 32 x DIMM slots
- RDIMM/LRDIMM modules up to 128GB supported
- 3DS RDIMM/LRDIMM modules up to 256GB supported
- Memory speed: Up to 3200/ 2933 MHz |
| LAN             | 2 x 10Gb/s BASE-T LAN ports (Intel® X550-AT2)
- 1 x 10/100/1000 management LAN |
| Video           | Integrated in Aspeed® AST2500
- 2D Video Graphic Adapter with PCIe bus interface
1920x1200@60Hz 32bpp, DDR4 512MB |
| Storage         | 8 x 2.5" Gen4 U.2 NVMe/ SATA hot-swap HDD/SSD bays |
| SAS             | N/A                            |
| Expansion Slots | 8 x SXM4 sockets for NVIDIA HGX A100 8-GPU 40GB/80GB
- 8 x Low-profile PCIe Gen4 x16 expansion slots |
| Front I/O       | 2 x USB 3.0, 1 x VGA, 2 x RJ45, 1 x MILAN |
| Rear I/O        | -                             |
| Backplane I/O   | 8 x 2.5" NVMe/ SATA hybrid ports
- Speed and bandwidth: PCIe Gen4 or SATA 6Gb/s |
| TPM             | 1 x TPM header with SPI interface
- Optional TPM2.0 kit: CTM010 |
| Power Supply    | 3+1 3000W 80 PLUS Platinum redundant power supply
- AC Input: 100-240V |
| System Management| Aspeed® AST2500 management controller
- GIGABYTE Management Console (AMI MegaRAC SP-X) |
| OS              | Windows Server 2016 / 2019 |
| Compatibility   | 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     | 11 x 80x80x80mm (17,000rpm)
- 6 x 40x40x56mm (23,000rpm)
- 4 x 40x40x28mm (25,000rpm) |
| Operating       | Operating temperature: 10°C to 35°C |
| Properties      | Operating humidity: 8-80% (non-condensing)
- Non-operating temperature: -40°C to 60°C
- Non-operating humidity: 20%-95% (non-condensing) |
| Packaging       | 1 x G492-ZD0 |
| Reference Numbers| 2 x CPU fan-sinks
- 1 x Rail kit |

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