G262-ZL0
HPC Server - 2U DP SXM4 A100 4-GPU

Features

- Liquid cooling GPU server solution
- Supports NVIDIA HGX™ A100 with 4 x SXM4 GPU
- Supports NVIDIA® NVLink® technology
- Up to 600GB/s GPU to GPU interconnection
- Dual AMD EPYC™ 7003 series processors
- 8-Channel RDIMM/LRDIMM DDR4 per processor, 16 x DIMMs
- 2 x 1Gb/s LAN ports (Intel® I350-AM2)
- 1 x dedicated management port
- 4 x 2.5" Gen4 U.2 NVMe/SATA/SAS hot-swap HDD/SSD bays
- Ultra-Fast M.2 with PCIe Gen4 x4 interface
- 5 x Low profile Gen4 x16 expansion slots
- 1 x OCP 3.0 Gen4 x16 mezzanine slot
- 3000W 80 PLUS Platinum redundant power supply

Specification

<table>
<thead>
<tr>
<th>Dimension</th>
<th>2U (W448 x H86.8 x D800 mm)</th>
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<tbody>
<tr>
<td>Motherboard</td>
<td>MZ62-HD5 Rev. 3.0</td>
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</table>
| CPU | AMD EPYC™ 7003 Series processors
| | Dual processors, 7nm technology, cTDP up to 280W
| | Up to 64-core, 128 threads per processor
| | Compatible with AMD EPYC™ 7002 Series processors |
| Chipset | System on Chip |
| Memory | 8-Channel DDR4 memory, 16 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 1GbE LAN ports (1 x Intel® I350-AM2)
| | 1 x Dedicated management ports |
| Video | Integrated in Aspeed® AST2500
| | 2D Video Graphic Adapter with PCIe bus interface
| | 1920x1200@60Hz 32bpp, DDR4 SDRAM |
| Storage | 4 x 2.5" Gen4 U.2 NVMe/ SATA/ SAS hot-swap HDD/SSD bays
| | SAS card is required for SAS devices support |
| Expansion Slots | 4 x SXM4 sockets for NVIDIA HGX™ A100 4-GPU 40GB/80GB
| | 5 x Low-profile PCIe Gen4 x16 expansion slots
| | 1 x OCP 3.0 Gen4 x16 mezzanine slot
| | 1 x M.2 slot: (Onboard)
| | - PCIe Gen4 x4, Supports NGFF-2280/22110 cards
| | - PCIe Gen4 x4, Supports NGFF-2242/2260/2280/22110 cards
| Front I/O | 2 x USB 3.0, 1 x mini DP, 2 x RJ45, 1 x MLAN |
| Rear I/O | N/A |

Backplane I/O

| 4 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 | Dual 3000W 80 PLUS Platinum redundant power supply
| | AC input: 115-240V |
| System Management | Aspeed® AST2500 management controller
| | GIGABYTE Management Console (AMI MegaRAC SP-X) |
| OS | 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 | 2 x 60x60x76mm (21,700rpm)
| | 2 x 80x80x80mm (17,000rpm) |
| Operating Properties | Operating temperature: 10°C to 35°C
| | Operating humidity: 8-80% (non-condensing)
| | Operating temperature: -40°C to 60°C
| | Operating humidity: 20%-95% (non-condensing) |
| Packaging Numbers | 1 x G262-ZL0
| | 1 x Rail kit |

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

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