G262-ZR0
HPC Server - 2U DP SXM4 A100 4-GPU

Features
• Hardware-level root of trust support
• Supports NVIDIA HGX™ A100 with 4 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, 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 hot-swap HDD/SSD bays
• Ultra-Fast M.2 with PCIe Gen4 x4 interface
• 6 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>Dimensions</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 hot-swappable HDD/SSD bays |
| SAS | N/A |
| Expansion Slots | 4 x SXM4 sockets for NVIDIA HGX™ A100 4-GPU 40GB/80GB
6 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
2 x M.2 slots: (From CMTP072)
- 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 | - |
| 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: 100-240V |
| System Management | Aspeed® AST2500 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 | 2 x 60x60x76mm (21,700rpm)
5 x 80x80x80mm (17,000rpm) |
| Operating Properties | Operating temperature: 10°C to 35°C
Non-operating temperature: -40°C to 60°C
Non-operating humidity: 20%-95% (non-condensing) |
| Packaging Content | 1 x G262-ZR0
2 x CPU fan-sinks
1 x Rail kit |
| Reference Numbers | Barebone with rail kit: 6NG262ZR0MR-Axx (40GB module)
Barebone with rail kit: 6NG262ZR0MR-Gxx (80GB module)
- Motherboard: 9MZ62HD5NR-00
- Rail kit: 25HBZ-186102-K0R
- CPU fan-sink: 25S1T-3532G0-M1R/25S1T-3532G1-M1R
- Back plane board, 2-port: 9CBP2023NR-00
- Front panel board: 9CFP1000NR-00
- Power supply: 25EP0-230003-DS0 |

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

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