GIGABYTE™

R162-ZA1

Rack Server - 1U UP 10-Bay
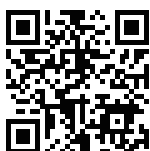
AMD EPYC

Features

- Hardware-level root of trust support
- Supports GRAID SupremeRAID SR-1000 NVMe RAID card
- Single AMD EPYC™ 7002 Series processors
- 8-Channel RDIMM/LRDIMM DDR4, 16 x DIMMs
- 2 x 1GbE LAN ports (Intel® I350-AM2)
- 1 x Dedicated management port
- 10 x 2.5" hot-swappable HDD/SSD bays
- Ultra-Fast M.2 with PCIe Gen4 x4 interface
- 3 x PCIe Gen4 x16 expansion slots
- 1 x OCP 3.0 Gen4 x16 mezzanine slot
- 1 x OCP 2.0 Gen3 x8 mezzanine slot
- Dual 800W (240V) 80 PLUS Platinum redundant power supply

Specification

Dimensions	1U (W438 x H43.5 x D730 mm)
Motherboard	MZA2-CE0
CPU	AMD EPYC™ 7002 Series processors Single processor, 7nm technology, cTDP up to 240W Up to 64-core, 128 threads per processor Compatible with AMD EPYC™ 7001 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 10/100/1000 management LAN
Video	Integrated in Aspeed® AST2500 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp
Storage	10 x 2.5" hot-swappable HDD/SSD bays - 2 x green HDD trays compatible with U.2 devices only - 2 x green HDD trays compatible with U.2 or SATA/SAS devices - 6 x blue HDD trays compatible with SATA/SAS devices only SAS card is required for SAS devices support
Expansion Slots	2 x PCIe Gen4 x16 expansion slots 1 x internal PCIe Gen4 x16 expansion slotL 1 x OCP 3.0 mezzanine slot with PCIe Gen4 x16 bandwidth 1 x OCP 2.0 mezzanine slot with PCIe Gen3 x0 or x8 bandwidth 1 x M.2 slot (M-key, PCIe Gen4 x4)
Front I/O	1 x USB 3.0
Rear I/O	2 x USB 3.0, 1 x VGA, 2 x RJ45, 1 x MLAN

Backplane I/O	Backplane P/N: 9CBP10A5NR-00 Speed and bandwidth: SAS 12Gb/s, SATA 6Gb/s, PCIe Gen4 x4
TPM	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
Power Supply	Dual 800W 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 (X2APIC/256T not supported) / 2019 RHEL 7.6 / 8.0 or later SLES 12 SP4 / 15 SP1 or later Ubuntu 16.04.6 LTS / 8.04.3 LTS / 20.04 LTS or later VMware ESXi 6.5 EP15 / 6.7 Update3 / 7.0 or later Citrix Hypervisor 8.1.0 or later
System Fans	8 x 40x40x28mm (25,000rpm)
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)
Packaging Content	1 x R162-ZA1 1 x CPU heatsinks 1 x Rail kit
Reference Numbers	Barebone package: 6NR162ZA1MR-00 - Motherboard: 9MZA2CE0NR-00 - Rail kit: 25HB2-3A0202-K0R - CPU heatsink: 25ST1-443107-A3R - Power supply: 25EP0-208004-L0S - GRAID SupremeRAID Core Software Module License (optional): 25FC1-SRBUN1-AFS (4-native NVMe RAID)

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