

R162-ZA0

Rack Server - 1U UP 4-Bay



Features

- Hardware-level root of trust support
- Single AMD EPYC™ 7003 Series processors
- 8-Channel RDIMM/LRDIMM DDR4, 16 x DIMMs
- 2 x 1GbE LAN ports
- 1 x Dedicated management port
- 4 x 3.5/ 2.5" SATA/SAS hot-swappable HDD/SSD bays
- Ultra-Fast M.2 with PCIe Gen4 x4 interface
- 2 x PCIe Gen4 x16 expansion slots
- 1 x internal PCIe Gen4 x16 expansion slot
- 1 x OCP 3.0 Gen4 x16 mezzanine slot
- 1 x OCP 2.0 Gen3 x8 mezzanine slot
- 1+1 800W (240V) 80 PLUS Platinum redundant power supply

Specification

Dimensions	1U (W438 x H43.5 x D730 mm)	Front I/O	2 x USB 3.0
Motherboard	MZA2-CE0 Rev. 3.0	Rear I/O	2 x USB 3.0, 1 x VGA, 2 x RJ45, 1 x MLAN
CPU	AMD EPYC™ 7003 Series processors Single processor, 7nm technology, cTDP up to 240W Up to 64-core, 128 threads per processor Compatible with AMD EPYC™ 7002 Series processors	Backplane I/O	Speed and bandwidth:SAS 12Gb/s, SATA 6Gb/s
Chipset	System on Chip	TPM	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
Memory	8-Channel DDR4 memory, 16 x DIMM slots RDIMM/LRDIMM modules up to 128GB supported Memory speed: Up to 3200 / 2933 MHz	Power Supply	1+1 800W (240V) 80 PLUS Platinum redundant power supply
LAN	2 x 1GbE LAN ports (1 x Intel® I350-AM2) 1 x 10/100/1000 management LAN	System Management	Aspeed® AST2500 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
Video	Integrated in Aspeed® AST2500 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp	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
Storage	4 x 3.5/ 2.5" SATA/ SAS hot-swappable HDD/SSD bays SAS card is required for SAS devices support	Weight	Net Weight: 11.56 kg / Gross Weight: 20 kg
RAID	Depends on SAS add-on card	System Fans	6 x 40x40x28mm (25,000rpm)
Peripheral Drives	1 x Slim type ODD as an option NOTE: For 12.7mm ODD only	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)
Expansion Slots	Riser Card CRS101E: 1 x PCIe x16 slot (Gen4 x16), FHHL Riser Card CRS101E: 1 x PCIe x16 slot (Gen4 x8 or x16), FHHL Internal Riser Card CRS101H: 1 x PCIe x16 slot (Gen4 x16), FHHL 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 per slot - Supports NGFF-2280/22110 cards	Packaging Dimensions	985 x 588 x 250 mm
Internal I/O	1 x M.2 slot, 1 x USB 3.0 header, 1 x COM header, 1 x TPM header, 1 x OCP 3.0 mezzanine slot, 1 x OCP 2.0 mezzanine slot, 1 x Front panel header, 1 x HDD back plane board header, 1 x PMBus connector, 1 x IPMB connector, 1 x Clear CMOS jumper, 1 x BIOS recovery jumper	Packaging Content	1 x R162-ZA0, 1 x CPU heatsink, 1 x Rail kit
		Reference Numbers	Barebone package: 6NR162ZA0MR-00 Rev. A00 - Motherboard: 9MZA2CE0NR-00 Rev. 3.0 - Rail kit: 25HB2-3A0202-K0R - CPU heatsink: 25ST1-443201-A0R - Back plane board: 9CBP1042NR-00 - Power supply: 25EP0-208004-L0S - Riser card - CRS101E: 9CRS101ENR-00 - Internal Riser card - CRS101H: 9CRS101HNR-00

* All specifications are subject to change without notice. Please visit our website for the latest information.

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