

# R162-ZA1

## Rack Server - 1U UP 10-Bay



### Features

- Hardware-level root of trust support
- Single AMD EPYC™ 7002 series processor family
- 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
- 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
- Dual 800W 80 PLUS Platinum redundant power supply

### Specification

<b>Dimensions</b>	1U (W438 x H43.5 x D730 mm)	<b>Front I/O</b>	1 x USB 3.0
<b>Motherboard</b>	MZA2-CE0	<b>Rear I/O</b>	2 x USB 3.0, 1 x VGA, 2 x RJ45, 1 x MLAN
<b>CPU</b>	AMD EPYC™ 7002 series processor family Single processor, 7nm technology TDP up to 225W, cTDP up to 240W Conditional support 280W Compatible with AMD EPYC™ 7001 series processor family	<b>Backplane I/O</b>	Backplane P/N: 9CBP10A5NR-00 Speed and bandwidth: SAS 12Gb/s, SATA 6Gb/s, PCIe Gen4 x4
<b>Chipset</b>	System on Chip	<b>TPM</b>	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
<b>Memory</b>	8-Channel DDR4 memory, 16 x DIMM slots RDIMM/LRDIMM modules up to 128GB supported Memory speed: Up to 3200 / 2933 MHz	<b>Power Supply</b>	Dual 800W 80 PLUS Platinum redundant power supply
<b>LAN</b>	2 x 1GbE LAN ports (1 x Intel® I350-AM2) 1 x 10/100/1000 management LAN	<b>System Management</b>	Aspeed® AST2500 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
<b>Video</b>	Integrated in Aspeed® AST2500 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp	<b>OS Compatibility</b>	Windows Server 2016 / 2019 RHEL 7.6 (x64) / 8.0 (x64) or later SLES 12 SP4 (x64) / 15 SP1 (x64) or later Ubuntu 16.04.6 LTS (x64) / 18.04.3 LTS (x64) / 20.04 LTS (x64) VMware ESXi 6.5 EP15 / 6.7 Update3 / 7.0 or later Citrix Hypervisor 8.1.0 or later
<b>Storage</b>	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	<b>Weight</b>	Net Weight: 11.56 kg / Gross Weight: 20 kg
<b>RAID</b>	Depends on SAS add-on card	<b>System Fans</b>	8 x 40x40x28mm (25,000rpm)
<b>Expansion Slots</b>	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, Gen4 x4)	<b>Operating Properties</b>	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)
<b>Internal I/O</b>	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	<b>Packaging Content</b>	1 x R162-ZA1, 1 x CPU heatsinks, 1 x Rail kit
		<b>Reference Numbers</b>	Barebone package: 6NR162ZA1MR-00 - Motherboard: 9MZA2CE0NR-00 - Rail kit: 25HB2-3A0202-K0R - CPU heatsink: 25ST1-44320I-A0R - Back plane board: 9CBP10A5NR-00 - Power supply: 25EP0-208004-L0S - Riser card - CRS101E: 9CRS101ENR-00 - Internal Riser card - CRS101H: 9CRS101HNR-00 - 4-port NVMe card - CNVP142: 9CNVP142NR-00

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

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