

## R272-Z31

Rack Server - 2U UP 26-Bay



### Features

- Single 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
- Onboard 12Gb/s SAS expander
- 24 x 2.5" SATA/SAS hot-swappable HDD/SSD bays in front side
- 2 x 2.5" SATA/SAS hot-swappable HDD/SSD bays in rear side
- Ultra-Fast M.2 with PCIe Gen3 x4 interface
- 6 x PCIe Gen4 / Gen3 expansion slots
- Aspeed® AST2500 remote management controller
- 1+1 1200W (240V) 80 PLUS Platinum redundant power supply

### Specification

<b>Dimensions</b>	2U (W438 x H87.5 x D660 mm)	<b>Backplane I/O</b>	Front side_CBP2005: 24 x SATA/SAS ports Rear side_CBP2021: 2 x SATA/SAS ports Speed and bandwidth: SATA 6Gb/s or SAS 12Gb/s per port
<b>Motherboard</b>	MZ32-AR0 Rev. 3.0	<b>TPM</b>	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
<b>CPU</b>	AMD EPYC™ 7003 Series processors Single processor, 7nm technology, cTDP up to 280W Up to 64-core, 128 threads per processor Compatible with AMD EPYC™ 7002 Series processors	<b>Power Supply</b>	1+1 1200W (240V) 80 PLUS Platinum redundant power supply
<b>Chipset</b>	System on Chip	<b>System Management</b>	Aspeed® AST2500 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
<b>Memory</b>	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	<b>OS Compatibility</b>	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
<b>LAN</b>	2 x 1GbE LAN ports (1 x Intel® I350-AM2) 1 x 10/100/1000 management LAN	<b>Weight</b>	Net Weight: 16.68 kg / Gross Weight: 23.66 kg
<b>Video</b>	Integrated in Aspeed® AST2500 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp	<b>System Fans</b>	4 x 80x80x38mm (16,300rpm)
<b>Storage</b>	Front side: 24 x 2.5" SATA/SAS hot-swappable HDD/SSD bays Rear side: 2 x 2.5" SATA/SAS hot-swappable HDD/SSD bays All devices are connected with SAS expander Onboard SAS35x36R expander Default configuration supports: 0 x SAS/SATA drives	<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>RAID</b>	Depends on SAS HBA	<b>Packaging Content</b>	1 x R272-Z31 system, 1 x CPU heatsink, 1 x Rail kit
<b>Expansion Slots</b>	3 x PCIe x16 slot (Gen4 x16), LPHL 1 x PCIe x16 slot (Gen4 x8), LPHL 1 x PCIe x8 slot (Gen3 x8 or x0), LPHL 1 x PCIe x16 slot (Gen3 x16 or x8), LPHL  1 x OCP 2.0 mezzanine slot with PCIe Gen4 x16 bandwidth  2 x M.2 slots - M-key, PCIe Gen4 x4, supports NGFF-2242/2260/2280 cards	<b>Reference Numbers</b>	Barebone package: 6NR272Z31MR-00 Rev. A00 - Motherboard: MZ32AR0NR-00 Rev. 3.0 - Rail kit: 25HB2-3A0202-K0R - CPU heatsink: 25ST1-15320E-J1R - SAS Expander module: 9CEP26O0NR-00 - Back plane board_12-port: 5CBP20O5NR-00 - Back plane board_2-port: 9CBP2021NR-00 - Front panel board: 9CFP2001NR-00 - Fan module: 25ST2-883829-D0R - Power supply: 25EP0-208004-L0S - Fan duct for 280W CPU: 25HA8-R27231-S5R - 4 x U.2 Kit: 6NR272Z3ASR-00 (optional)
<b>Front I/O</b>	2 x USB 3.0		
<b>Rear I/O</b>	3 x USB 3.0, 1 x VGA, 1 x COM, 2 x RJ45, 1 x MLAN		

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

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