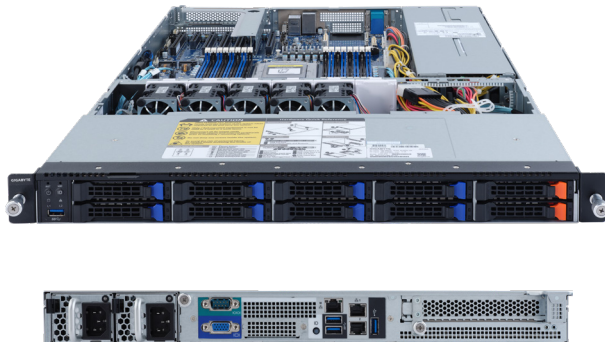


R152-Z31

Rack Server - 1U UP 10-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
- 8 x 2.5" SATA and 2 x 2.5 NVMe hot-swap HDD/SSD bays
- Ultra-Fast M.2 with PCIe Gen3 x4 interface
- 1 x PCIe Gen4 x16 expansion slot
- 1 x OCP 2.0 Gen3 x8 mezzanine slot
- Aspeed® AST2500 remote management controller
- 1+1 650W 80 PLUS Platinum redundant power supply

Specification

Dimensions	1U (W438 x H43.5 x D660 mm)	Backplane I/O	Backplane P/N: 9CBP10A4NR-00 Speed and bandwidth: SAS 12Gb/s, SATA 6Gb/s, PCIe Gen3 x4
Motherboard	MZ32-AR0 Rev. 3.0	TPM	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
CPU	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	Power Supply	1+1 650W (240V) 80 PLUS Platinum redundant power supply
Chipset	System on Chip	System Management	Aspeed® AST2500 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
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	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
LAN	2 x 1GbE LAN ports (1 x Intel® I350-AM2) 1 x 10/100/1000 management LAN	Weight	Net Weight: 11.78 kg / Gross Weight: 20.32 kg
Video	Integrated in Aspeed® AST2500 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp	System Fans	5 x 40x40x56mm (25'000rpm)
Storage	8 x 2.5" SATA/SAS hot-swappable HDD/SSD bays 2 x 2.5" NVMe hot-swappable SSD bays SAS card is required for SAS devices support	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)
SAS	-	Packaging Content	1 x R152-Z31, 1 x CPU heatsink, 1 x Rail kit
RAID	-	Reference Numbers	Barebone package: 6NR152Z31MR-00 Rev. A00 - Motherboard: MZ32AR0NR-00 Rev. 3.0 - Rail kit: 25HB2-3A0202-K0R - CPU heatsink: 25ST1-44320G-A0R - Back plane board: 9CBP10A4NR-00 - Fan module: 25ST2-44562G-D0R - Power supply: 25EP0-206504-F3S - Fan duct for 280W CPU: 25HA8-R15200-S5R
Expansion Slots	1 x PCIe x16 (Gen4 x16) slot, Full height half-length 1 x OCP 2.0 mezzanine slot with PCIe Gen3 x16 bandwidth 2 x M.2 slots (PCIe Gen3 x4, M-key)		
Front I/O	1 x USB 3.0		
Rear I/O	3 x USB 3.0, 1 x VGA, 1 x COM_1, 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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