

R152-Z33

Rack Server - 1U UP 10-Bay Gen4 NVMe



Features

- Hardware-level root of trust support
- Single AMD EPYC™ 7002 series processor family
- 8-Channel RDIMM/LRDIMM DDR4, 16 x DIMMs
- 2 x 1Gb/s LAN ports (Intel® I350-AM2)
- 1 x Dedicated management port
- 10 x 2.5" Gen4 U.2 hot-swappable HDD/SSD bays
- Ultra-Fast M.2 with PCIe Gen4 x4 interface
- 1 x PCIe Gen4 x16 expansion slot
- 1100W 80 PLUS Platinum redundant power supply

Specification

Dimensions (WxHxD)	1U 438 x 43.5 x 660 mm	Rear I/O	3 x USB 3.0, 1 x VGA, 1 x COM, 2 x RJ45, 1 x MLAN
Motherboard	MZ32-AR1	Backplane I/O	Speed and bandwidth: PCIe Gen4 x4 per port
CPU	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	TPM	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
Chipset	System on Chip	Power Supply	Dual 1100W 80 PLUS Platinum redundant power supply
Memory	16 x DIMM slots DDR4 memory supported only 8-Channel memory architecture RDIMM modules up to 128GB supported LRDIMM modules up to 128GB supported Memory speed: Up to 3200*/ 2933 MHz	System Management	Aspeed® AST2500 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
LAN	2 x 1GbE LAN ports (1 x Intel® I350-AM2) 1 x 10/100/1000 management LAN	OS Compatibility	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 or later Citrix Hypervisor 8.1.0 or later
Video	Integrated in Aspeed® AST2500 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp	Weight	Net Weight: 11.74 kg / Gross Weight: 20.32 kg
Storage	10 x 2.5" Gen4 U.2 hot-swappable HDD/SSD bays 2 x M.2 slot: M-key, PCIe Gen4 x4 per slot - Supports NGFF-2242/2260/2280 cards	System Fans	5 x 40x40x56mm (23,000rpm)
RAID	-	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) Ambient temperature limited to 30°C if using 280W CPU
Expansion Slots	Riser Card CRS101D: - 1 x PCIe x16 slot (Gen4 x16), Full height half-length 1 x OCP 2.0 mezzanine slot with PCIe Gen4 x16 bandwidth - Occupied by CNVO124, 4 x NVMe HBA	Packaging Dimensions	985 x 588 x 250 mm
Internal I/O	2 x M.2 slots, 1 x USB 3.0 header, 1 x USB 2.0 header, 1 x COM_2 header, 1 x TPM header, 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, 1 x Buzzer	Packaging Content	1 x R152-Z33, 1 x CPU heatsinks, 1 x Rail kit
Front I/O	1 x USB 3.0	Reference Numbers	Barebone package: 6NR152Z33MR-00 - Motherboard: 9MZ32AR1NR-00 - Rail kit: 25HB2-3A0202-K0R - CPU heatsink: 25ST1-44320J-A0R - Back plane board: 9CBP10A5NR-00 - OCP NVMe Card: 9CNVP143NR-00 - Fan module: 25ST2-44562G-D0R - Power supply: 25EP0-201101-F3S - Fan duct for 280W CPU: 25HA8-R15200-S5R

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

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