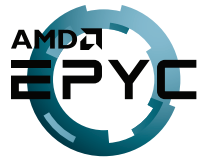# GIGABYTE™

E152-ZE0

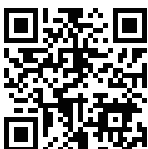## Edge Server - 1U UP Short Depth System

AMD EPYC

Features

- Supports 1 x double slot or 2 x single slot GPU cards
- Single AMD EPYC™ 7003 Series processors
- 8-Channel RDIMM/LRDIMM DDR4, 8 x DIMMs
- 2 x 1Gb/s LAN ports (Intel® I350-AM2)
- 1 x dedicated management port
- 2 x 2.5" SATA/SAS/Gen4 NVMe hot-swap HDD/SSD bays
- 2 x Ultra-Fast M.2 with PCIe Gen4 x4 interface
- 2 x PCIe Gen4 x16 FHFL expansion slots
- 2 x PCIe Gen4 x16 HHHL expansion slots
- 1 x OCP 3.0 Gen4 x16 mezzanine slot
- 800W 80 PLUS Platinum single power supply

Specification

Dimensions	1U (W438 x H43.5 x D400 mm)	**Backplane I/O**	2 x 2.5" SATA/SAS/Gen4 NVMe ports
CPU	AMD EPYC™ 7003 Series processors Single processor, 7nm, Socket SP3 Up to 64-core, 128 threads, cTDP up to 280W Compatible with AMD EPYC™ 7002 Series processors	**TPM**	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
		Power Supply	Single 800W (240V) 80 PLUS Platinum power supply
Chipset	System on Chip	**System Management**	Aspeed® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
Memory	8-Channel DDR4 memory, 8 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 1Gb/s LAN ports (Intel® I350-AM2) 1 x 10/100/1000 management LAN		
Video	Integrated in Aspeed® AST2600 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp, DDR4 SDRAM	**System Fans**	2 x 40x40x28mm (25,000rpm), 5 x 40x40x56mm (25,000rpm)
		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)
Storage	2 x 2.5" SATA/SAS/Gen4 NVMe hot-swap HDD/SSD bays SAS card is required for SAS devices support 2 x M.2 slots on CMTP182 Riser Card: - PCIe Gen4 x4 per slot - Supports NGFF-2280/22110 cards		
		Packaging Content	1 x E152-ZE0 1 x CPU heatsink 1 x Rail kit (optional)
Expansion Slots	2 x Full-height Full-length PCIe Gen4 x16 expansion slots 2 x Low profile Half-length PCIe Gen4 x16 expansion slots 1 x OCP 3.0 mezzanine slot (Gen4 x16)	**Reference Numbers**	Barebone package: 6NE152ZE0MR-00 - Motherboard: 9MZE2G10NR-00 - Rail kit 900mm for IT: 25HB2-3A0203-K0R (optional) - Rail kit 600mm for Telcom: 25HB2-3A0204-K0R (optional) - CPU heatsink: 25ST1-453211-A3R - Power supply: 25EP0-208004-L0S
Front I/O	2 x USB 3.0, 1 x mini-DP, 2 x RJ45, 1 x MLAN		
Rear I/O	N/A		

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