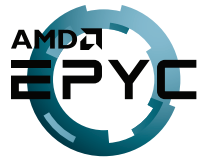# GIGABYTE™

# E152-ZE1

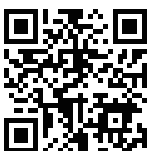## Edge Server - 1U Short Depth Chassis





## Features

- Supports 1 x double slot or 2 x single slot GPU cards
- Single AMD EPYC™ 7003 series processor family
- 8-Channel RDIMM/LRDIMM DDR4 per processor, 8 x DIMMs
- 2 x 1Gb/s LAN ports (Intel® I350-AM2)
- 1 x Dedicated management port
- 2 x 2.5" SATA/Gen4 NVMe hot-swappable HDD/SSD bays
- 2 x Ultra-Fast M.2 with PCIe Gen4 x4 interface
- 2 x PCIe Gen4 x16 FHFL expansion slots
- 1 x PCIe Gen4 x16 HHHL expansion slots
- 1 x OCP 3.0 Gen4 x16 mezzanine slot
- 1000W (240V) 80 PLUS Platinum redundant power supply

## Specification

| | |
|---|---|
| **Dimensions** | 1U W435 x H43.8 x D400 mm |
| **Motherboard** | MZE2-G10 |
| **CPU** | AMD EPYC™ 7003 Series processors<br>Single processor, 7nm, cTDP up to 240W<br>Up to 64-core, 128 threads per processor, Socket SP3<br>Compatible with AMD EPYC™ 7002 Series processors |
| **Chipset** | System on Chip |
| **Memory** | 8-Channel DDR4 memory, total 8 x DIMM slots<br>RDIMM/LRDIMM modules up to 128GB supported<br>3DS RDIMM/LRDIMM modules up to 256GB supported<br>Memory speed: Up to 3200 MHz |
| **LAN** | 2 x 1Gb/s LAN ports ( Intel® I350-AM2)<br>1 x 10/100/1000 management LAN |
| **Video** | Integrated in Aspeed® AST2600<br>2D Video Graphic Adapter with PCIe bus interface<br>1920x1200@60Hz 32bpp, DDR4 SDRAM |
| **Storage** | 2 x 2.5" SATA/Gen4 NVMe hot-swappable HDD/SSD bays<br>Supports 7mm drives only<br>2 x M.2 slots on CMTP182 riser card (PCIe Gen4 x4 per slot) |
| **Expansion Slots** | 2 x Full-height Full-length PCIe Gen4 expansion slots<br>1 x Low profile Half-length PCIe Gen4 expansion slot<br>1 x OCP 3.0 mezzanine slot (PCIe Gen4 x16) - supported NCSI |
| **Front I/O** | 2 x USB 3.0, 1 x miniDP, 2 x RJ45, 1 x MLAN |
| **Rear I/O** | N/A |
| **Backplane I/O** | 2 x 2.5" SATA/Gen4 NVMe ports |

| | |
|---|---|
| **TPM** | 1 x TPM header with SPI interface<br>Optional TPM2.0 kit: CTM010 |
| **Power Supply** | 2 x 1000W redundant power supply<br>AC Input: 115-240V |
| **System Management** | Aspeed® AST2600 management controller<br>GIGABYTE Management Console (AMI MegaRAC SP-X) |
| **OS Compatibility** | Windows Server 2016 / 2019<br>RHEL 8.3 (x64) or later<br>SLES 12 SP5 (x64) / 15 SP2 (x64) or later<br>Ubuntu 18.04.5 LTS (x64) / 20.04 LTS (x64) or later<br>VMware ESXi 6.7 Update3 P03 / 7.0 Update1 or later<br>Citrix Hypervisor 8.2.0 or later |
| **System Fans** | 1 x 40x40x28mm (25,000rpm)<br>5 x 40x40x56mm (25,000rpm) |
| **Operating Properties** | Operating temperature: 10°C to 35°C<br>Operating humidity: 8-80% (non-condensing)<br>Non-operating temperature: -40°C to 60°C<br>Non-operating humidity: 20%-95% (non-condensing) |
| **Packaging Content** | 1 x E152-ZE1<br>1 x CPU heatsink<br>1 x Rail kit (optional) |
| **Reference Numbers** | Barebone package: 6NE152ZE1MR-00<br>- Motherboard: 9MZE2G10NR-00<br>- Rail kit 900mm for IT: 25HB2-3A0203-K0R (optional)<br>- Rail kit 600mm for Telcom: 25HB2-3A0204-K0R (optional)<br>- CPU heatsink: 25ST1-453211-A3R<br>- M.2 Riser card: 9CMTP182NR-00<br>- Power supply: 25EP0-210000-D0S |



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