E152-ZE0
Edge Server - 1U UP Short Depth System

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

Specifications

Dimensions
1U (W438 x H43.5 x D400 mm)

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

Chipset
System on Chip

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

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

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

Expansion
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)

Front I/O
2 x USB 3.0, 1 x mini-DP, 2 x RJ45, 1 x MLAN

Rear I/O
N/A

Backplane I/O
2 x 2.5" SATA/SAS/Gen4 NVMe ports

TPM
1 x TPM header with SPI interface
Optional TPM2.0 kit: CTM010

Power Supply
Single 800W (240V) 80 PLUS Platinum power supply

System Management
Aspeed® AST2600 management controller
GIGABYTE Management Console (AMI MegaRAC SP-X)

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

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)

Packaging
1 x E152-ZE0
1 x CPU heatsink
1 x Rail kit (optional)

Reference Numbers
Barebone package: 6NE152ZEO0MR-00
- Motherboard: 9ME2G10G0R-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

Learn more about GIGABYTE server solutions, visit www.gigabyte.com/Enterprise

* All specifications are subject to change without notice. Please visit our website for the latest information.
* AMD, and the AMD Arrow logo, AMD EPYC and combinations thereof are trademarks of Advanced Micro Devices, Inc.
* All other brands, logos and names are property of their respective owners.
© 2022 GIGABYTE Technology Co., Ltd. All rights reserved.