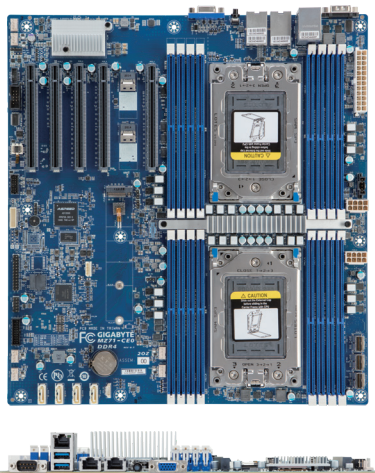
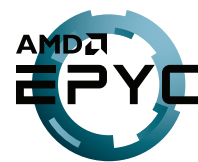


MZ71-CE0

AMD EPYC DP Server Motherboard



Features

- Dual AMD EPYC™ 7003 Series processors
- 8-Channel RDIMM/LRDIMM DDR4 per processor, 16 x DIMMs
- 2 x 10Gb/s LAN ports (Broadcom® BCM57416)
- 1 x Dedicated management port
- 4 x 7-pin SATA 6Gb/s ports
- 3 x SlimSAS (with 12 x SATAIII or 3 x NVMe PCIe Gen3 x4) ports
- 2 x SlimSAS (with 2 x NVMe PCIe Gen3 x4) ports
- 1 x Ultra-Fast M.2 with PCIe Gen3 x4 bandwidth
- Up to 5 x PCIe Gen3 slots
- Aspeed® AST2500 remote management controller

Specification

Dimensions E-ATX (305W x 330D mm)

CPU AMD EPYC™ 7003 Series processors
Dual processors, 7nm, Socket SP3
Up to 64-core, 128 threads per processor
cTDP up to 280W
Compatible with AMD EPYC™ 7002 Series processors

Chipset System on Chip

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

LAN 2 x 10GbE LAN ports (1 x Broadcom® BCM57416)
1 x 10/100/1000 management LAN

Video Integrated in Aspeed® AST2500
2D Video Graphic Adapter with PCIe bus interface
1920x1200@60Hz 32bpp

SATA 4 x 7-pin SATA 6Gb/s ports
3 x SlimSAS (with 12 x SATA III or 3 x U.2 PCIe Gen4 x4) ports

Expansion Slots Slot_6: 1 x PCIe x16 (Gen3 x16) slot*
Slot_4: 1 x PCIe x16 (Gen3 x16) slot
Slot_3: 1 x PCIe x16 (Gen3 x16) slot
Slot_2: 1 x PCIe x16 (Gen3 x8) slot
Slot_1: 1 x PCIe x16 (Gen3 x8) slot

1 x M.2 slot:
- M-key, PCIe Gen3 x4*
- Supports NGFF-2280/22110 cards

2 x NVMe ports:
- SlimSAS 4i type, PCIe Gen3 x4 per port

* NOTE: PCIe Gen4 supported if using AMD EPYC 7003/7002 processors

Internal I/O 1 x 24-pin ATX main power connector, 2 x 8-pin ATX 12V power connectors, 5 x SlimSAS connectors, 1 x M.2 slots, 2 x CPU fan headers, 4 x System fan headers, 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 PMBus connector, 1 x IPMB connector, 1 x Clear CMOS jumper, 1 x BIOS recovery jumper

Rear I/O 2 x USB 3.0, 1 x VGA, 1 x COM_1, 2 x RJ45, 1 x MLAN, 1 x ID button with LED

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

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

Board Management Aspeed® AST2500 management controller
GIGABYTE Management Console (AMI MegaRAC SP-X)

PSU Connectors 1 x 24-pin ATX main power connector
2 x 8-pin ATX 12V power connectors

Operating Properties Operating temperature: 10°C to 40°C
Operating humidity: 8-80% (non-condensing)
Non-operating temperature: -40°C to 60°C
Non-operating humidity: 20%-95% (non-condensing)

Retail Packaging Content 1 x MZ71-CE0, 1 x I/O shield, 1 x Quick guide, 2 x SATA cables
Single Box dimensions: 409 x 355 x 78 mm

Bulk Packaging Content 10 x MZ71-CE0, 10 x I/O shields
Carton dimensions: 600 x 473 x 495 mm

Reference Numbers Retail: 9MZ71CE0MR-00 Rev. 3.0
Bulk: 9MZ71CE0NR-00 Rev. 3.0



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.

© 2021 GIGABYTE Technology Co., Ltd. All rights reserved.