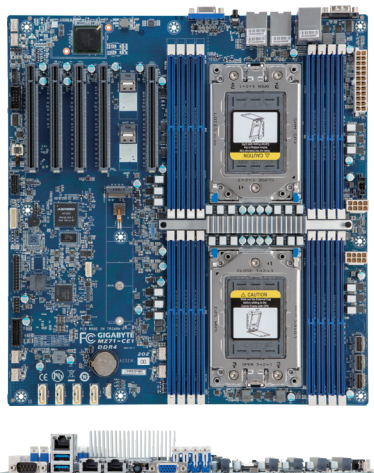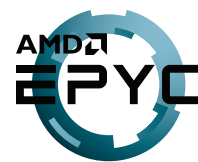# GIGABYTE™

MZ71-CE1

AMD EPYC DP Server Motherboard

AMD EPYC

Features

- Dual AMD EPYC™ 7003 Series processors
- 8-Channel RDIMM/LRDIMM DDR4 per processor, 16 x DIMMs
- 2 x 1Gb/s LAN ports (Broadcom® BCM5720)
- 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)	**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
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	**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
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	**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
LAN	2 x 1GbE LAN ports (1 x Broadcom® BCM5720) 1 x 10/100/1000 management LAN		
Video	Integrated in Aspeed® AST2500 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp	**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
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	**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-CE1, 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-CE1, 10 x I/O shields Carton dimensions: 600 x 473 x 495 mm
		Reference Numbers	Retail: 9MZ71CE1MR-00 Rev. 3.0 Bulk: 9MZ71CE1NR-00 Rev. 3.0

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