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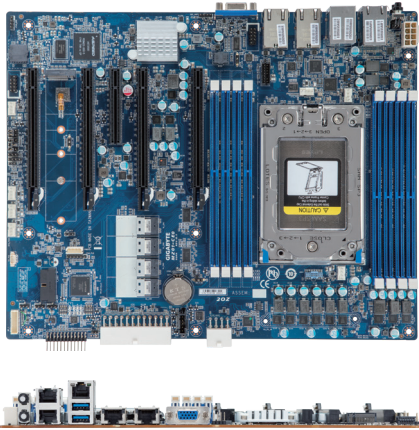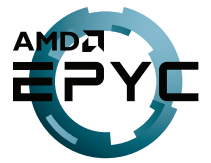
MZ01-CE0

AMD EPYC UP Server Motherboard

Features

- AMD EPYC™ 7003 Series processors
- 8-Channel RDIMM/LRDIMM DDR4 , 8 x DIMMs
- 2 x 10Gb/s BASE-T LAN ports (Intel® X550-AT2)
- 2 x 1Gb/s LAN ports (Intel® I210-AT)
- 1 x dedicated management port
- 4 x SlimSAS (with 16 x SATA 6Gb/s) ports
- Ultra-Fast M.2 with PCIe Gen3 x4 interface
- Up to 5 x PCIe Gen3 expansion slots
- Aspeed® AST2500 remote management controller

Specification

Dimensions	ATX (305W x 244D mm)	**Internal I/O**	1 x 24-pin ATX main power connector, 2 x 8-pin ATX 12V power connectors, 4 x SlimSAS connectors, 1 x M.2 slot, 1 x CPU fan header, 6 x System fan headers, 1 x USB 3.0 header, 2 x COM headers, 1 x TPM header, 1 x Front panel header, 1 x HDD back plane board 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 Single processor, 7nm, Socket SP3 Up to 64-core, 128 threads per processor cTDP up to 240W; Fully support 280W Compatible with AMD EPYC™ 7002 Series processors		
		Rear I/O	2 x USB 3.0, 1 x VGA, 4 x RJ45, 1 x MLAN, 1 x ID switch with LED, 1 x Power switch with LED
Chipset	System on Chip	**TPM**	1 x TPM header with LPC interface (Optional TPM2.0 kit: CTM000)
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 10Gb/s BASE-T LAN ports (Intel® X550-AT2) 2 x 1Gb/s LAN ports (Intel® I210-AT) 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)
SATA	4 x SlimSAS with 16 x SATA III 6Gb/s ports	**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)
RAID	N/A		
Expansion Slots	Slot_7 (PCIe_7): 1 x PCIe x16 (Gen3 x16 bus) Slot_5 (PCIe_5): 1 x PCIe x16 (Gen3 x16 bus) Slot_4 (PCIe_4): 1 x PCIe x8 (Gen3 x8 bus) Slot_3 (PCIe_3): 1 x PCIe x16 (Gen3 x16 bus) Slot_1 (PCIe_1): 1 x PCIe x16 (Gen3 x16 bus) 1 x M.2 slot: - M-key, PCIe Gen3 x4 - Supports NGFF-2242/2260/2280/22110 cards	**Retail Packaging Content**	1 x MZ01-CE0, 1 x I/O shield, 1 x Quick start guide, 1 x SlimSAS to SATAIII 6Gb/s cable Single Box dimensions: 409 x 355 x 78 mm
		Bulk Packaging Content	10 x MZ01-CE0, 10 x I/O shields Carton dimensions: 600 x 473 x 495 mm
		Reference Numbers	Retail: 9MZ01CE0MR-00 Rev. 3.0 Bulk: 9MZ01CE0NR-00 Rev. 3.0

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