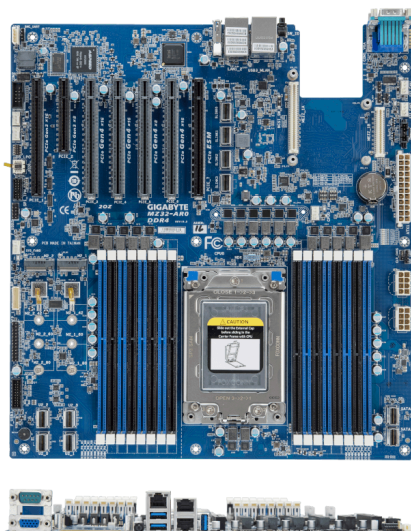


MZ32-AR0 (Rev. 3.x)

Motherboard - AMD EPYC™ 7003/7002 Series Processors - E-ATX UP

AMD
EPYC

Windows
Server
2022
Certified



Key Features

- Single AMD EPYC™ 7003/7002 Series processors
- 8-Channel DDR4 RDIMM/LRDIMM per CPU with 16 x DIMMs
- 2 x 1 Gb/s LAN ports via Intel® I350-AM2
- 4 x SlimSAS 4i connectors supporting PCIe Gen4 x4
- 2 x SlimSAS 4i connectors supporting SATA
- 2 x M.2 slots with PCIe Gen3 x4
- 5 x PCIe Gen4 x16 and x8 slots
- 2 x PCIe Gen3 x16 and x8 slots
- 1 x OCP 2.0 PCIe Gen3 x16 mezzanine slot

Specification

Form Factor	E-ATX (W305 x D330 mm)	Internal I/O	1 x 24-pin ATX main power connector 2 x 8-pin ATX 12V power connectors 1 x CPU fan header / 5 x System fan headers 1 x USB 3.0 x2 header / 1 x USB 2.0 x2 header 2 x M.2 slots / 10 x SlimSAS 4i connectors (4 x for PCIe slot) 1 x Front panel header / 1 x Backplane board header 1 x COM_2 header / 1 x PMBus connector 1 x IPMB connector / 1 x TPM header
CPU	AMD EPYC™ 7003 Series processors AMD EPYC™ 7002 Series processors Single processor, cTDP up to 280 W	Rear I/O	3 x USB 3.0 ports (Type-A) 1 x VGA port 1 x Serial port 2 x RJ45 ports 1 x MLAN port 1 x ID button with LED
Socket	1 x LGA 4094 (Socket SP3)	Security Modules	1 x TPM header (SPI), Optional TPM 2.0 kit: CTM010
Chipset	System on Chip	PSU Connectors	1 x 24-pin ATX main power connector 2 x 8-pin ATX 12V power connectors
Memory	8-Channel DDR4 RDIMM/LRDIMM, 16 x DIMMs Up to 3200/2933 MT/s	Operating Properties	Operating: 10°C to 40°C, 8% to 80% (non-condensing) Non-operating: -40°C to 60°C, 20% to 95% (non-condensing)
LAN	2 x 1 Gb/s LAN (1 x Intel® I350-AM2), Support NCSI 1 x 10/100/1000 Mb/s Management LAN	Retail Packaging Content	1 x MZ32-AR0 1 x I/O shield 1 x Quick start guide 2 x SlimSAS 4i to 4 x SATA cables (600 mm) Quantity: 10 x single boxes in one carton
Video	Integrated in ASPEED® AST2500 - 1 x VGA port	Bulk Packaging Content	10 x MZ32-AR0 10 x I/O shields
Audio	N/A	Ordering Part Numbers	Retail: 9MZ32AR0MR-00-3* Bulk: 9MZ32AR0NR-00-3*
Storage Interface	SlimSAS: 4 x SlimSAS 4i for 4 x Gen4 NVMe 2 x SlimSAS 4i for 8 x SATA M.2: 2 x M.2 (2242/2260/2280), PCIe Gen3 x4	Optional Parts	- CPU fansink: 12SF2-01A067-00R - Cables to enable Slot_7: 25CFM-450820-A4R
RAID	N/A		
PCIe Expansion Slots	Slot_7: PCIe x16 (Gen4 x16), shared with 4 x NVMe Slot_6: PCIe x16 (Gen4 x16) Slot_5: PCIe x16 (Gen4 x8) Slot_4: PCIe x16 (Gen4 x16) Slot_3: PCIe x16 (Gen4 x16) Slot_2: PCIe x8 (Gen3 x0 or x8) Slot_1: PCIe x16 (Gen3 x16 or x8), shared with Slot_2 1 x OCP 2.0 mezzanine (Gen3 x16), Support NCSI		



Learn more at: <https://www.gigabyte.com/Enterprise>

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Last updated: Aug 20, 2026

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