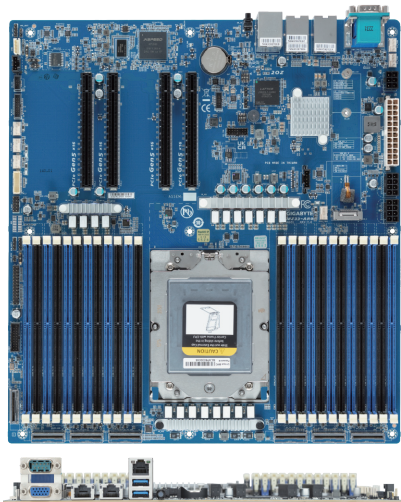


MZ33-AR0

Server Motherboard - E-ATX UP



Features

- Single AMD EPYC™ 9004 Series Processors
- 12-Channel DDR5 RDIMM, 24 x DIMMs
- 2 x 10Gb/s LAN ports via Broadcom® BCM57416
- 2 x MCIO 8i connectors with PCIe Gen5 x8 or SATA interface
- 4 x MCIO 8i connectors with PCIe Gen5 x8 interface
- 1 x MCIO 8i connector with PCIe Gen4 x8 interface
- 1 x M.2 slot with PCIe Gen4 x4 interface
- 4 x PCIe Gen5 x16 expansion slots

Specification

Form Factor	E-ATX (W305 x D330 mm)	Internal I/O	1 x CPU fan header, 5 x System fan headers, 1 x USB 3.2 Gen1 x2 header, 1 x M.2 slot, 7 x MCIO 8i connectors, 1 x Front panel header, 1 x Backplane board header, 1 x PMBus connector, 1 x IPMB connector, 1 x TPM header
CPU	AMD EPYC™ 9005 Series Processors AMD EPYC™ 9004 Series Processors Single processor, cTDP up to 400W	OS Compatibility	Microsoft Windows Server Red Hat Enterprise Linux server SUSE Linux Enterprise server Ubuntu VMware ESXi Citrix Hypervisor
Socket	1 x LGA 6096, Socket SP5	Board Management	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
Chipset	System on Chip	PSU Connectors	1 x 24-pin ATX main power connector 2 x 8-pin ATX 12V power connectors 1 x 6-pin ATX 12V power connector
Memory	24 x DIMM slots 12-Channel DDR5 RDIMM [EPYC 9005] Up to 5200 MT/s (1DPC), 4400 MT/s (1R 2DPC), 4000 MT/s (2R 2DPC) [EPYC 9004] Up to 4800 MT/s (1DPC), 3600 MT/s (2DPC)	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)
LAN	2 x 10Gb/s LAN (1 x Broadcom® BCM57416) - Support NCSI 1 x 10/100/1000 Mbps Management LAN	Retail Packaging Content	1 x MZ33-AR0, 1 x I/O shield, 1 x Quick start guide, 1 x MCIO 8i to 8 x SATA 6Gb/s cable (600mm) Single Box dimensions: 409 x 355 x 78 mm Carton dimensions: 729 x 415 x 432 mm
Video	Integrated in ASPEED® AST2600 - 1 x Mini-DP	Bulk Packaging Content	10 x MZ33-AR0, 10 x I/O shields Carton dimensions: 600 x 473 x 517 mm
Audio	N/A	Reference Numbers	Retail: 9MZ33AR0MR-000-3*/1* Bulk: 9MZ33AR0NR-000-3*/1*
Storage Interface	2 x MCIO 8i for 4 x Gen5 NVMe or 16 x SATA 6Gb/s 4 x MCIO 8i for 8 x Gen5 NVMe 1 x MCIO 8i for 2 x Gen4 NVMe 1 x M.2 (2280/22110), PCIe Gen4 x4	Optional parts	MCIO 8i to 2 x MCIO 4i cable (550mm): 25CF9-550700-A4R
RAID	N/A		
Expansion Slots	4 x PCIe Gen Gen5 x16 slots		
Security Modules	1 x TPM header with SPI interface - Optional TPM2.0 kit: CTM010		
Rear I/O	2 x USB 3.2 Gen1, 1 x VGA, 1 x COM, 2 x RJ45, 1 x MLAN		



Learn more at <https://www.GIGABYTE.com/enterprise>

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