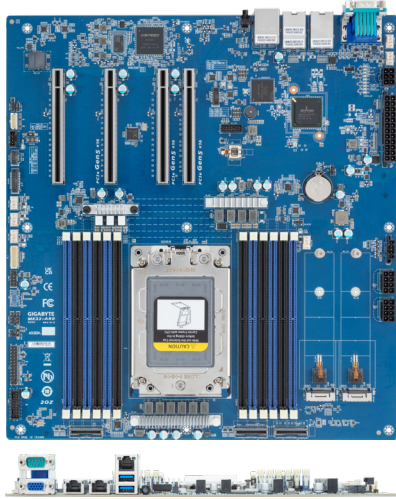


ME33-AR0

AMD EPYC 8004 UP Server Board



Features

- AMD EPYC™ 8004 Series processors
- Single processor, 5nm technology
- 6-Channel RDIMM DDR5, 12 x DIMMs
- 2 x 1Gb/s BASE-T LAN ports
- 1 x Dedicated management port
- 2 x MCIO 8i for 4 x Gen5 NVMe or 16 x SATA
- 1 x MCIO 8i for 2 x Gen5 NVMe
- 2 x M.2 slots with PCIe Gen5 x4 interface
- 3 x PCIe Gen5 x16 expansion slots
- 1 x PCIe Gen4 x16 expansion slot
- Aspeed® AST2600 remote management controller

Specification

Form Factor	E-ATX (W304.8 x D330.2 mm)	Rear I/O	2 x USB 3.2 Gen1, 1 x VGA, 1 x COM, 2 x RJ45, 1 x MLAN
CPU	AMD EPYC™ 8004 Series processors Single processor, 5nm technology Up to 64-core, 128 threads per processor cTDP up to 225W	Internal I/O	3 x MCIO 8i connectors, 2 x M.2 slots, 1 x CPU fan header, 5 x System fan headers, 1 x USB 3.2 Gen1 header, 1 x TPM header, 1 x Front panel header, 1 x Back plane board header, 1 x PMBus connector, 1 x IPMB connector, 1 x Clear CMOS jumper, 1 x BIOS recovery jumper, 1 x Buzzer
Socket	1 x LGA 4844, Socket SP6	OS Compatibility	Windows Server 2019 / 2022 RHEL 8.6 / 8.7 / 8.8 / 9.0 / 9.1 / 9.2 (x64) SLES 15 SP4 / 15 SP5 (x64) Ubuntu 20.04.5 / 20.04.6 / 22.04 / 22.04.1 / 22.04.2 LTS (x64) VMware ESXi 7.0 Update 3i / 8.0 Citrix Hypervisor 8.2 LTSR CU1
Chipset	System on Chip	Board Management	Aspeed® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
Memory	6-Channel DDR5 memory, 12 x DIMM slots RDIMM modules up to 96GB supported Memory speed: Up to 4800 MHz (1DPC), 3600 MHz (2DPC)	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
LAN	2 x 1Gb/s BASE-T LAN ports (1 x Broadcom® BCM5720) NCSI function supported 1 x 10/100/1000 management LAN	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)
Video	Integrated in Aspeed AST2600 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp, DDR4 SDRAM	Retail Packaging Content	1 x ME33-AR0, 1 x I/O shield, 1 x Quick start guide, 1 x MCIO 4i to 4 x SATA 6Gb/s cable Single Box dimensions: 409 x 355 x 78 mm
Storage	Total 3 x MCIO 8i connectors: - 2 x MCIO 8i connectors for 4 x Gen5 NVMe or 16 x SATA - 1 x MCIO 8i connector for 2 x Gen5 NVMe 2 x M.2 slots: M-key, PCIe Gen5 x4, supports 2280/22110 cards	Bulk Packaging Content	10 x ME33-AR0, 10 x I/O shields Carton dimensions: 600 x 473 x 517 mm
Expansion Slots	Slot_7: 1 x PCIe x16 (Gen5 x16) slot Slot_6: 1 x PCIe x16 (Gen5 x16) slot Slot_4: 1 x PCIe x16 (Gen5 x16) slot Slot_2: 1 x PCIe x16 (Gen4 x16) slot	Reference Numbers	Retail: 9ME33AR0MR-000-10* Bulk: 9ME33AR0NR-000-10*
TPM	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010		



Learn more about GIGABYTE server, visit <https://www.gigacomputing.com>

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