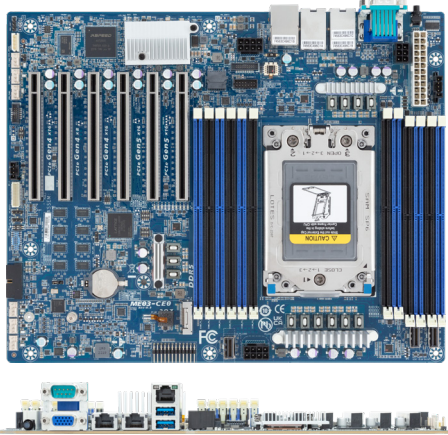


ME03-CEO

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 10Gb/s BASE-T LAN ports
- 1 x Dedicated management port
- 3 x MCIO 4i for 3 x Gen5 NVMe or 12 x SATA
- 1 x M.2 slot with PCIe Gen3 x4 interface
- 3 x PCIe Gen5 x16 expansion slots
- 3 x PCIe Gen4 x16 and x8 expansion slots
- Aspeed® AST2600 remote management controller

Specification

| | | | |
|------------------------|---|---------------------------------|--|
| Form Factor | ATX (W304.8 x D254 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 4i connectors, 1 x M.2 slot, 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 |
| LAN | 2 x 10Gb/s BASE-T LAN ports (1 x Broadcom® BCM57416) 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 ME03-CEO, 1 x I/O shield, 1 x Quick start guide, 1 x MCIO 4i to 4 x SATA 6Gb/s cable Single Box dimensions: 360 x 330 x 80 mm |
| Storage | 3 x MCIO 4i for 12 x SATA 1 x M.2 slot: M-key, PCIe Gen3 x4, supports 2280/22110 cards | Bulk Packaging Content | 10 x ME03-CEO, 10 x I/O shields Carton dimensions: 674 x 424 x 385 mm |
| Expansion Slots | Slot_6: 1 x PCIe x16 (Gen5 x16) slot Slot_5: 1 x PCIe x16 (Gen5 x16) slot Slot_4: 1 x PCIe x16 (Gen5 x16) slot Slot_3: 1 x PCIe x16 (Gen4 x16) slot Slot_2: 1 x PCIe x16 (Gen4 x8) slot Slot_1: 1 x PCIe x16 (Gen4 x16 or x8) slot, shared with Slot_2 | Reference Numbers | Retail: 9ME03CE0MR-000-10* Bulk: 9ME03CE0NR-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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