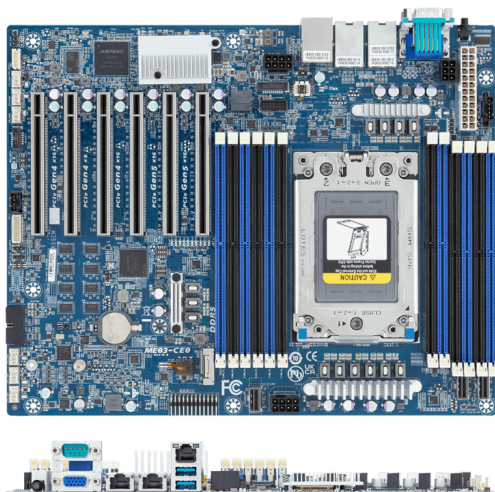


# ME03-CE0 (Rev. 1.x/3.x)

Motherboard - AMD EPYC™ 8005/8004 Server Processors - ATX UP 10 Gb/s LAN



## Key Features

- Single AMD EPYC™ 8005/8004 Server Processors
- 6-Channel DDR5 RDIMM per CPU with 12 x DIMMs
- 2 x 10 Gb/s LAN ports via Broadcom® BCM57416
- 3 x MCIO 4i connectors supporting PCIe Gen5 x4 or SATA
- 1 x M.2 slot with PCIe Gen3 x4
- 3 x PCIe x16 slots with Gen5 x16 lanes
- 3 x PCIe x16 slots with Gen4 x16 and x8 lanes

## Specification

|                             |                                                                                                                                                                                                                                                                                              |                                 |                                                                                                                                                                                                                                                                                                                     |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Form Factor</b>          | ATX (W304.8 x D243.8 mm)                                                                                                                                                                                                                                                                     | <b>Internal I/O</b>             | 1 x 24-pin ATX main power connector<br>2 x 8-pin ATX 12V power connectors<br>1 x CPU fan header / 5 x System fan headers<br>1 x USB 3.2 Gen1 x2 header / 1 x M.2 slot<br>3 x MCIO 4i connectors / 1 x Front panel header<br>1 x Backplane board header / 1 x PMBus connector<br>1 x IPMB connector / 1 x TPM header |
| <b>CPU</b>                  | AMD EPYC™ 8005 Server Processors<br>AMD EPYC™ 8004 Server Processors<br>Single processor, cTDP up to 225 W                                                                                                                                                                                   | <b>Rear I/O</b>                 | 2 x USB 3.2 Gen1 ports (Type-A)<br>1 x VGA port<br>1 x Serial port<br>2 x RJ45 ports<br>1 x MLAN port<br>1 x ID button with LED                                                                                                                                                                                     |
| <b>Socket</b>               | 1 x LGA 4844 (Socket SP6)                                                                                                                                                                                                                                                                    | <b>Security Modules</b>         | 1 x TPM header (SPI), Optional TPM 2.0 kit: CTM010                                                                                                                                                                                                                                                                  |
| <b>Chipset</b>              | System on Chip                                                                                                                                                                                                                                                                               | <b>Board Management</b>         | ASPEED® AST2600 Baseboard Management Controller<br>GIGABYTE Management Console web interface                                                                                                                                                                                                                        |
| <b>Memory</b>               | 6-Channel DDR5 RDIMM, 12 x DIMMs<br>[EPYC 8005] Up to 6400 MT/s (1DPC), 5200 MT/s (2DPC)<br>[EPYC 8004] Up to 4800 MT/s (1DPC), 3600 MT/s (2DPC)                                                                                                                                             | <b>PSU Connectors</b>           | 1 x 24-pin ATX main power connector<br>2 x 8-pin ATX 12V power connectors                                                                                                                                                                                                                                           |
| <b>OS Compatibility</b>     | <a href="#">OS Support List</a>                                                                                                                                                                                                                                                              | <b>Operating Properties</b>     | Operating: 10°C to 40°C, 8% to 80% (non-condensing)<br>Non-operating: -40°C to 60°C, 20% to 95% (non-condensing)                                                                                                                                                                                                    |
| <b>LAN</b>                  | 2 x 10 Gb/s LAN (1 x Broadcom® BCM57416), Support NCSI<br>1 x 10/100/1000 Mb/s Management LAN                                                                                                                                                                                                | <b>Retail Packaging Content</b> | 1 x ME03-CE0<br>1 x I/O shield<br>1 x Quick start guide<br>1 x MCIO 4i to 4 x SATA cable<br><br>Quantity: 10 x single boxes in one carton                                                                                                                                                                           |
| <b>Video</b>                | Integrated in ASPEED® AST2600<br>- 1 x VGA port                                                                                                                                                                                                                                              | <b>Bulk Packaging Content</b>   | 10 x ME03-CE0<br>10 x I/O shields                                                                                                                                                                                                                                                                                   |
| <b>Audio</b>                | N/A                                                                                                                                                                                                                                                                                          | <b>Ordering Part Numbers</b>    | Retail: 9ME03CE0MR-000-3*<br>Bulk: 9ME03CE0NR-000-3*                                                                                                                                                                                                                                                                |
| <b>Storage Interface</b>    | <b>MCIO:</b><br>3 x MCIO 4i for 3 x Gen5 NVMe or 12 x SATA<br><b>M.2:</b><br>1 x M.2 (2280/22110), PCIe Gen3 x4                                                                                                                                                                              |                                 |                                                                                                                                                                                                                                                                                                                     |
| <b>RAID</b>                 | N/A                                                                                                                                                                                                                                                                                          |                                 |                                                                                                                                                                                                                                                                                                                     |
| <b>PCIe Expansion Slots</b> | Slot_6: PCIe x16 (Gen5 x16)<br>Slot_5: PCIe x16 (Gen5 x16)<br>Slot_4: PCIe x16 (Gen5 x16)<br>Slot_3: PCIe x16 (Gen4 x16)<br>Slot_2: PCIe x16 (Gen4 x0 or x8), <b>shared with Slot_1</b><br>Slot_1: PCIe x16 (Gen4 x16 or x8), <b>shared with Slot_2</b><br><br>3 x MCIO 4i (Gen5 x4 or SATA) |                                 |                                                                                                                                                                                                                                                                                                                     |



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

\* All specifications are subject to change without notice. Please visit our website for the latest information.

\* All trademarks and logos are the properties of their respective holders.

© 2026 Giga Computing Technology Co., Ltd. All rights reserved.

Last updated: Jul 20, 2026

Designed by

