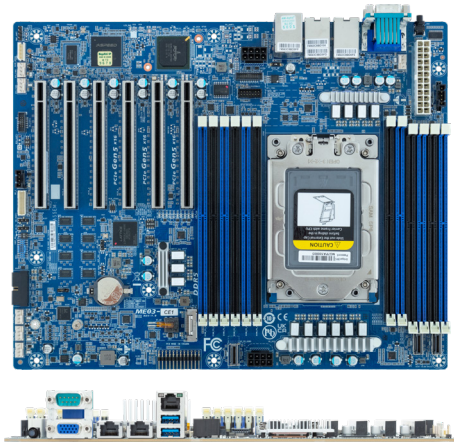


# ME03-CE1

## 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
- 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

|                        |   |                                 |  |
|------------------------|---|---------------------------------|--|
| <b>Form Factor</b>     | ATX (W304.8 x D254 mm)  | <b>Rear I/O</b>                 | 2 x USB 3.2 Gen1, 1 x VGA, 1 x COM, 2 x RJ45, 1 x MLAN   |
| <b>CPU</b>             | AMD EPYC™ 8004 Series processors<br>Single processor, 5nm technology<br>Up to 64-core, 128 threads per processor<br>cTDP up to 225W   | <b>Internal I/O</b>             | 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 |
| <b>Socket</b>          | 1 x LGA 4844, Socket SP6  | <b>OS Compatibility</b>         | Windows Server 2019 / 2022<br>RHEL 8.6 / 8.7 / 8.8 / 9.0 / 9.1 / 9.2 (x64)<br>SLES 15 SP4 / 15 SP5 (x64)<br>Ubuntu 20.04.5 / 20.04.6 / 22.04 / 22.04.1 / 22.04.2 LTS (x64)<br>VMware ESXi 7.0 Update 3i / 8.0<br>Citrix Hypervisor 8.2 LTSR CU1                                      |
| <b>Chipset</b>         | System on Chip  | <b>Board Management</b>         | Aspeed® AST2600 management controller<br>GIGABYTE Management Console (AMI MegaRAC SP-X)  |
| <b>Memory</b>          | 6-Channel DDR5 memory, 12 x DIMM slots<br>RDIMM modules up to 96GB supported<br>Memory speed: Up to 4800 MHz (1DPC), 3600 MHz (2DPC)  | <b>PSU Connectors</b>           | 1 x 24-pin ATX main power connector<br>2 x 8-pin ATX 12V power connectors  |
| <b>LAN</b>             | 2 x 1Gb/s BASE-T LAN ports (1 x Broadcom® BCM5720)<br>NCSI function supported<br>1 x 10/100/1000 management LAN   | <b>Operating Properties</b>     | Operating temperature: 10°C to 40°C<br>Operating humidity: 8-80% (non-condensing)<br>Non-operating temperature: -40°C to 60°C<br>Non-operating humidity: 20%-95% (non-condensing)  |
| <b>Video</b>           | Integrated in Aspeed AST2600<br>2D Video Graphic Adapter with PCIe bus interface<br>1920x1200@60Hz 32bpp, DDR4 SDRAM  | <b>Retail Packaging Content</b> | 1 x ME03-CE1, 1 x I/O shield, 1 x Quick start guide,<br>1 x MCIO 4i to 4 x SATA 6Gb/s cable<br>Single Box dimensions: 360 x 330 x 80 mm  |
| <b>Storage</b>         | 3 x MCIO 4i for 12 x SATA<br>1 x M.2 slot: M-key, PCIe Gen3 x4, supports 2280/22110 cards   | <b>Bulk Packaging Content</b>   | 10 x ME03-CE1, 10 x I/O shields<br>Carton dimensions: 674 x 424 x 385 mm   |
| <b>Expansion Slots</b> | Slot_6: 1 x PCIe x16 (Gen5 x16) slot<br>Slot_5: 1 x PCIe x16 (Gen5 x16) slot<br>Slot_4: 1 x PCIe x16 (Gen5 x16) slot<br>Slot_3: 1 x PCIe x16 (Gen4 x16) slot<br>Slot_2: 1 x PCIe x16 (Gen4 x8) slot<br>Slot_1: 1 x PCIe x16 (Gen4 x16 or x8) slot, shared with Slot_2 | <b>Reference Numbers</b>        | Retail: 9ME03CE1MR-000-10*<br>Bulk: 9ME03CE1NR-000-10*   |
| <b>TPM</b>             | 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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