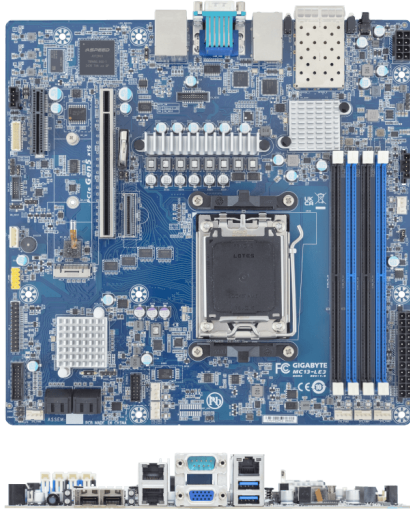


# MC13-LE3 (Rev. 1.x)

Motherboard - AMD EPYC™ 4005/4004 & Ryzen™ 9000/7000 Series Processors - microATX UP 25 Gb/s + 1 Gb/s LAN



## Key Features

- Single AMD EPYC™ 4005/4004 & Ryzen™ 9000/7000 Series processors
- Dual Channel DDR5 ECC/Non-ECC UDIMM per CPU with 4 x DIMMs
- 2 x 25 Gb/s LAN ports via Broadcom® BCM57502
- 2 x 1 Gb/s LAN ports via Intel® I210-AT
- 1 x MCIO 8i connector supporting PCIe Gen5 x8
- 4 x SATA 7-pin ports
- 1 x M.2 slot with PCIe Gen5 x4
- 1 x PCIe x16 slot with Gen5 x16 lanes
- 1 x PCIe x4 slot with Gen4 x4 lanes

## Specification

|                             |                                                                                                                                                                                                                                                       |                                 |                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Form Factor</b>          | microATX (W244 x D244 mm)                                                                                                                                                                                                                             | <b>Internal I/O</b>             | 1 x 24-pin ATX main power connector<br>1 x 8-pin ATX 12V power connector<br>1 x CPU fan header / 5 x System fan headers<br>1 x USB 3.2 Gen1 x2 header / 1 x USB 2.0 x2 header<br>1 x M.2 slot / 1 x MCIO 8i connector<br>4 x SATA 7-pin 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™ 4005 Series processors<br>AMD EPYC™ 4004 Series processors<br>AMD Ryzen™ 9000 Series processors<br>AMD Ryzen™ 7000 Series processors<br>Single processor, TDP up to 170 W<br><br>*Recommend to install 170 W CPU with a liquid cooling kit. | <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 SFP28 ports<br>2 x RJ45 ports<br>1 x MLAN port<br>1 x ID button with LED                                                                                                                                                                                                                     |
| <b>Socket</b>               | 1 x AM5                                                                                                                                                                                                                                               | <b>Security Modules</b>         | 1 x TPM header (SPI), Optional TPM 2.0 kit: CTM010                                                                                                                                                                                                                                                                                                                     |
| <b>Chipset</b>              | AMD B650E                                                                                                                                                                                                                                             | <b>PSU Connectors</b>           | 1 x 24-pin ATX main power connector<br>1 x 8-pin ATX 12V power connector                                                                                                                                                                                                                                                                                               |
| <b>Memory</b>               | Dual channel DDR5 ECC/Non-ECC UDIMM, 4 x DIMMs<br>[EPYC 4005/Ryzen 9000] Up to 5600 MT/s (1DPC), 3600 MT/s (2DPC)<br>[EPYC 4004/Ryzen 7000] Up to 5200 MT/s (1DPC), 3600 MT/s (2DPC)                                                                  | <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 25 Gb/s LAN (1 x Broadcom® BCM57502), Support NCSI<br>2 x 1 Gb/s LAN (2 x Intel® I210-AT), Support NCSI<br>1 x 10/100/1000 Mb/s Management LAN                                                                                                    | <b>Retail Packaging Content</b> | 1 x MC13-LE3<br>1 x I/O shield<br>1 x Quick start guide<br>1 x M.2 heatsink<br>4 x SATA cables (500 mm)<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>   | 20 x MC13-LE3<br>20 x I/O shields                                                                                                                                                                                                                                                                                                                                      |
| <b>Audio</b>                | N/A                                                                                                                                                                                                                                                   | <b>Ordering Part Numbers</b>    | Retail: 9MC13LE3MR-000-1*<br>Bulk: 9MC13LE3NR-000-1*                                                                                                                                                                                                                                                                                                                   |
| <b>Storage Interface</b>    | <b>MCIO:</b><br>1 x MCIO 8i for 2 x Gen5 NVMe, <b>shared with Slot_3</b><br><b>SATA 7-pin:</b><br>4 x SATA<br><b>M.2:</b><br>1 x M.2 (2242/2280), PCIe Gen5 x4                                                                                        |                                 |                                                                                                                                                                                                                                                                                                                                                                        |
| <b>RAID</b>                 | RAID 0/1/10                                                                                                                                                                                                                                           |                                 |                                                                                                                                                                                                                                                                                                                                                                        |
| <b>PCIe Expansion Slots</b> | Slot_3: PCIe x16 (Gen5 x16), <b>shared with MCIO</b><br>Slot_1: PCIe x4 (Gen4 x4)<br><br>1 x MCIO 8i (Gen5 x8)                                                                                                                                        |                                 |                                                                                                                                                                                                                                                                                                                                                                        |



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

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