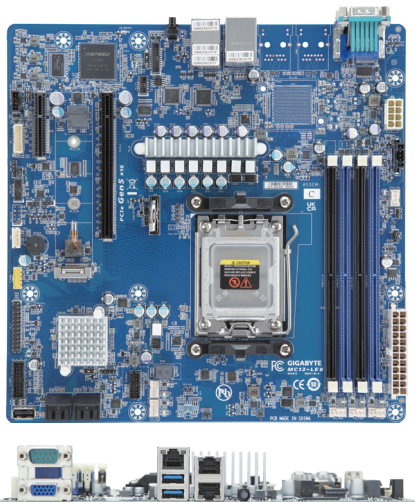


MC13-LEO

Motherboard - microATX UP



Features

- AMD EPYC™ 4004 Series Processors
- AMD Ryzen™ 7000 Series Processors (with AMD 3D V-Cache™)
- Single processor, 5nm technology
- Dual Channel ECC/Non-ECC UDIMM DDR5, 4 DIMMs
- 2 x 1Gb/s LAN ports via Intel® I210-AT
- 4 x SATA 6Gb/s ports
- 1 x M.2 slot with PCIe Gen5 x4 interface
- 1 x PCIe Gen5 x16 expansion slot
- 1 x PCIe Gen4 x4 expansion slot

Specification

| | | | |
|------------------------|---|---------------------------------|---|
| Form Factor | microATX (W244 x D244 mm) | Rear I/O | 2 x USB 3.2 Gen1 (Type-A), 1 x VGA, 1 x COM, 2 x RJ45, 1 x MLAN |
| CPU | AMD EPYC™ 4004 Series Processors AMD Ryzen™ 7000 Series Processors (with AMD 3D V-Cache™) Single processor, 5nm technology TDP up to 170W | TPM | 1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010 |
| Socket | 1 x AM5 | PSU Connectors | 1 x 24-pin ATX main power connector 1 x 8-pin ATX 12V power connectors |
| Chipset | AMD B650E | System Management | ASPEED® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X) |
| Memory | 2-Channel DDR5 memory, 4 x DIMM slots ECC UDIMM 1Rx8/2Rx8 supported Non-ECC UDIMM 1Rx8/2Rx8/1Rx16 supported Total capacity up to 128GB Memory speed: Up to 5200 MT/s (1DPC), 3600 MT/s (2DPC) | OS Compatibility | EPYC 4004 Series: Ubuntu 22.04 / Ubuntu 24.04 Windows Server 2022 Ryzen 7000 Series: Windows 10 21H2 / Windows 11 |
| LAN | 2 x 1GbE LAN ports (Intel® I210) 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 | Retail Packaging Content | 1 x MC13-LEO, 1 x I/O shield, 1 x Quick start guide, 4 x SATA cables Single Box dimensions: 321 x 308.5 x 78.5 mm |
| SATA | 4 x SATA 6Gb/s ports | Bulk Packaging Content | 10 x MC13-LEO, 10 x I/O shields Carton dimensions: 609 x 581 x 362 mm MOQ: 10 PCS MC13-LEO |
| RAID | RAID 0/1/10 | Reference Numbers | Retail: 9MC13LE0MR-00-3*/1* Bulk: 9MC13LE0NR-00-3*/1* - I/O shield: 12AIO-MC13LE-00R - SATA cable (500mm / 2 in 1 package): 12CF1-2SAT01-31R |
| Expansion Slots | 1 x PCIe x16 (Gen5 x16) slot 1 x PCIe x4 (Gen4 x4) slot 1 x M.2 slot (Gen5 x4), supports 2242/2280 cards | | |
| Internal I/O | 1 x CPU fan header, 5 x System fan headers, 1 x USB 2.0 (Type-A), 1 x USB 3.2 Gen1 x2 header, 1 x USB 2.0 x2 header, 4 x SATA connectors, 1 x TPM header, 1 x Front panel header, 1 x IPMB connector, 1 x Backplane board header, 1 x PMBUS connector | | |



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

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