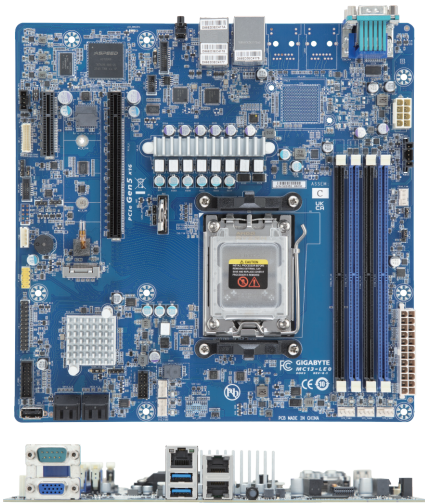


MC13-LEO (Rev. 1.x/3.x/4.x)

Server Motherboard - microATX UP



Features

- AMD EPYC™ 4004 Series Processors
- AMD Ryzen™ 9000 / Ryzen™ 7000 Series Processors
- Single processor
- Dual Channel DDR5 ECC/Non-ECC UDIMM, 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
- ASPEED® AST2600 Baseboard Management Controller

Specification

Form Factor microATX (W244 x D244 mm)

CPU AMD EPYC™ 4004 Series Processors
AMD Ryzen™ 9000 Series Processors
AMD Ryzen™ 7000 Series Processors
Single processor, TDP up to 170W

Socket 1 x AM5

Chipset AMD B650E

Memory 4 x DIMM slots, 2-channel memory architecture
DDR5 UDIMM memory supported
Ryzen 9000: Up to 5600 MT/s (1DPC), 3600 MT/s (2DPC)
EPYC 4004 / Ryzen 7000: 5200 MT/s (1DPC), 3600 MT/s (2DPC)

LAN 2 x 1Gb/s LAN (2 x Intel® I210-AT) - Support NCSI
1 x 10/100/1000 management LAN

Video Integrated in ASPEED® AST2600 - 1 x VGA port

Storage Interface 4 x SATA 7-pin, from FCH
1 x M.2 (2242/2280), PCIe Gen5 x4, from CPU

RAID RAID 0/1/10

Expansion Slots 1 x PCIe x16 (Gen5 x16), from CPU
1 x PCIe x4 (Gen4 x4), from FCH

Internal I/O 1 x CPU fan header, 5 x System fan headers, 1 x USB 2.0 port,
1 x USB 3.2 Gen1 x2 header, 1 x USB 2.0 x2 header, 4 x SATA
connectors, 1 x Front panel header, 1 x Backplane board header,
1 x PMBUS connector, 1 x IPMB connector, 1 x TPM header,

Rear I/O 2 x USB 3.2 Gen1 (Type-A), 1 x VGA, 1 x COM,
2 x RJ45, 1 x MLAN

TPM 1 x TPM header with SPI interface
- Optional TPM2.0 kit: CTM010

PSU Connectors 1 x 24-pin ATX main power connector
1 x 8-pin ATX 12V power connector

System Management ASPEED® AST2600 management controller
GIGABYTE Management Console (AMI MegaRAC SP-X)

OS Compatibility **EPYC 4004 Series:**
Ubuntu 22.04 / Ubuntu 24.04
Windows Server 2022

Ryzen 9000/7000 Series:
Windows 10 21H2 / Windows 11

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)

Retail Packaging Content 1 x MC13-LE0, 1 x I/O shield, 1 x Quick start guide,
4 x SATA 6Gb/s cables (500mm)
Single Box dimensions: 321 x 308.5 x 78.5 mm

Bulk Packaging Content 10 x MC13-LE0, 10 x I/O shields
Carton dimensions: 609 x 581 x 362 mm

Reference Numbers Retail: 9MC13LE0MR-000-4*/3*/1*
Bulk: 9MC13LE0NR-000-4*/3*/1*



Learn more at <https://www.GIGABYTE.com/enterprise>

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