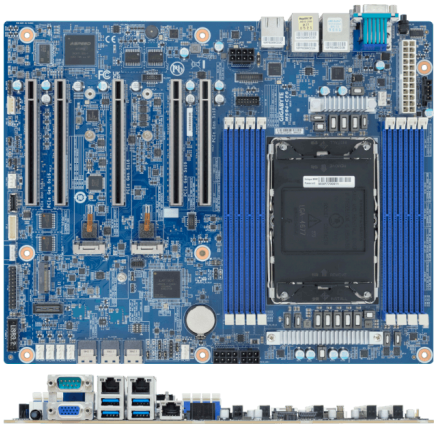
GIGABYTE™

MS04-CE0 (Rev. 1.x)

Motherboard - Intel® Xeon® 6700/6500-Series Processors - ATX, UP



Key Features

- Single Intel® Xeon® 6700/6500-series processors
- 8-Channel DDR5 RDIMM/MRDIMM per CPU with 8 x DIMMs
- 2 x 1 Gb/s LAN ports via Intel® I210-AT
- 3 x SlimSAS 4i connectors supporting SATA
- 2 x M.2 slots with PCIe Gen5 x2
- 4 x PCIe x16 slots with Gen5 x16 lanes
- 1 x PCIe x16 slot with Gen5 x8 lanes

Specification

Form Factor	ATX (W304.8 x D244 mm)
CPU	Intel® Xeon® 6 processors - Intel® Xeon® 6700-series processors - Intel® Xeon® 6500-series processors Single processor, TDP up to 350 W
Socket	1 x LGA 4710 (Socket E2)
Chipset	Integrated into SoC
Memory	8-Channel DDR5 RDIMM/MRDIMM, 8 x DIMMs [1] **Intel Xeon 6 processors with P-cores:** [RDIMM] Up to 8000 MT/s [1] [MRDIMM] Up to 8000 MT/s **Intel Xeon 6 processors with E-cores:** [RDIMM] Up to 6400 MT/s [1] MRDIMMs and RDIMM-8000 are supported on select Intel® Xeon® 6 processors with P-cores.
OS Compatibility	OS Support List
LAN	2 x 1 Gb/s LAN (2 x Intel® I210-AT), Support NCSI 1 x 10/100/1000 Mb/s Management LAN
Video	Integrated in ASPEED® AST2600 - 1 x VGA port
Audio	N/A
Storage Interface	**SlimSAS:** 3 x SlimSAS 4i for 12 x SATA **M.2:** 2 x M.2 (2280/22110), PCIe Gen5 x2
RAID	Onboard VROC key header
PCIe Expansion Slots	Slot_7: PCIe x16 (Gen5 x16) Slot_6: PCIe x16 (Gen5 x16) Slot_4: PCIe x16 (Gen5 x16) Slot_2: PCIe x16 (Gen5 x16) Slot_1: PCIe x16 (Gen5 x8)

Internal I/O	1 x 24-pin ATX main power connector 2 x 8-pin ATX 12V power connectors 1 x 6-pin ATX 12V power connector 1 x CPU fan header / 6 x System fan headers 1 x USB 3.2 Gen1 x2 header / 2 x M.2 slots 3 x SlimSAS 4i connectors / 1 x VROC connector 1 x NCSI connector / 1 x Front panel header 1 x Backplane board header / 1 x PMBus header 1 x IPMB header / 1 x TPM header 1 x PRoT connector (only enabled on RoT SKU)
Rear I/O	4 x USB 3.2 Gen1 ports (Type-A) 1 x VGA port 1 x Serial port 2 x RJ45 ports 1 x MLAN port 1 x ID button with LED
Security Modules	1 x TPM header (SPI), Optional TPM 2.0 kit: CTM012 1 x PRoT connector (only enabled on RoT SKU)
Board Management	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
PSU Connectors	1 x 24-pin ATX main power connector 2 x 8-pin ATX 12V power connectors 1 x 6-pin ATX 12V power connector
Operating Properties	Operating: 10°C to 40°C, 8% to 80% (non-condensing) Non-operating: -40°C to 60°C, 20% to 95% (non-condensing)
Retail Packaging Content	1 x MS04-CE0 1 x I/O shield 1 x Quick start guide 2 x CPU carriers 1 x SlimSAS 4i to 4 x SATA cable (600 mm) Quantity: 10 x single boxes in one carton
Bulk Packaging Content	10 x MS04-CE0 10 x I/O shields 20 x CPU carriers
Ordering Part Numbers	Retail: 9MS04CE0MR-000-1* Bulk: 9MS04CE0NR-000-1*

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: Nov 19, 2026

Designed by GIGA COMPUTING