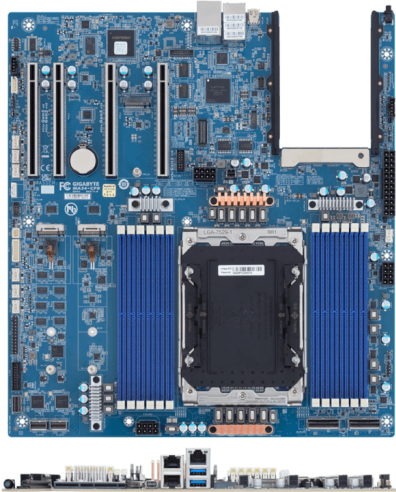


MA34-CP0 (Rev. 1.x)

Motherboard - Intel® Xeon® 6900E+/6900-Series Processors - E-ATX UP



Key Features

- Single Intel® Xeon® 6900E+/6900-Series Processors
- 12-Channel DDR5 RDIMM/MRDIMM per CPU with 12 x DIMMs
- 2 x 1 Gb/s LAN ports via Intel® I210-AT
- 2 x MCIO 8i connectors supporting PCIe Gen5 x8
- 3 x SlimSAS 4i connectors supporting SATA
- 2 x M.2 slots with PCIe Gen5 x2
- 4 x PCIe x16 slots with Gen5 x16 and x8 lanes
- 1 x OCP NIC 3.0 PCIe Gen5 x16 slot

Specification

Form Factor	E-ATX (W304.8 x D335.2 mm)	Internal I/O	1 x 24-pin ATX main power connector 3 x 8-pin ATX 12V power connectors 1 x 4-pin 12V standby power connector 1 x CPU fan header / 6 x System fan headers 1 x USB 3.2 Gen1 x2 header / 1 x USB 2.0 header for BMC 2 x M.2 slots / 2 x MCIO 8i connectors 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 COM header 1 x PMBus header / 1 x IPMB header 1 x TPM header / 1 x ProT connector (only enabled on RoT SKU)
CPU	Intel® Xeon® 6+ Processors - Intel® Xeon® 6900E+ Processors Intel® Xeon® 6 Processors - Intel® Xeon® 6900-Series Processors Single processor, TDP up to 500 W	Rear I/O	2 x USB 3.2 Gen1 ports (Type-A) 1 x Mini-DP 2 x RJ45 ports 1 x MLAN port 1 x ID button with LED
Socket	1 x LGA 7529 (Socket BR)	Security Modules	1 x TPM header (SPI), Optional TPM 2.0 kit: CTM012 1 x ProT connector (only enabled on RoT SKU)
Memory	12-Channel DDR5 RDIMM/MRDIMM, 12 x DIMMs Intel Xeon 6900E+: [RDIMM] Up to 8000 MT/s Intel Xeon 6900-series: [RDIMM] Up to 6400 MT/s [MRDIMM] Up to 8800 MT/s ^[1] ^[1] MRDIMMs are supported only on select Intel® Xeon® 6 processors with P-cores.	Board Management	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
OS Compatibility	OS Support List	PSU Connectors	1 x 24-pin ATX main power connector 3 x 8-pin ATX 12V power connectors 1 x 4-pin 12V standby power connector
LAN	2 x 1 Gb/s LAN (2 x Intel® I210-AT), Support NCSI 1 x 10/100/1000 Mb/s Management LAN	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)
Video	Integrated in ASPEED® AST2600 - 1 x Mini-DP	Retail Packaging Content	1 x MA34-CP0 1 x I/O shield 1 x Quick start guide 1 x Carrier 1 x SlimSAS 4i to 4 x SATA cable (600mm) Quantity: 10 x single boxes in one carton
Storage Interface	MCIO: 2 x MCIO 8i for 4 x Gen5 NVMe SlimSAS: 3 x SlimSAS 4i for 12 x SATA M.2: 2 x M.2 (2280/22110), PCIe Gen5 x2	Bulk Packaging Content	10 x MA34-CP0 10 x I/O shields 30 x Carriers
PCIe Expansion Slots	Slot_6: PCIe x16 (Gen5 x16) Slot_4: PCIe x16 (Gen5 x16) Slot_2: PCIe x16 (Gen5 x16 or x8), shared with Slot_1 Slot_1: PCIe x16 (Gen5 x0 or x8), shared with Slot_2 1 x OCP NIC 3.0 (Gen5 x16), Support NCSI 2 x MCIO 8i (Gen5 x8)	Ordering Part Numbers	Retail: 9MA34CP0MR-000-1* Bulk: 9MA34CP0NR-000-1*



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

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