GIGABYTE™

MS34-CP0

Server Motherboard - E-ATX UP

intel XEON

Features

- Single Intel® Xeon® 6 Processors, LGA 4710
- 8-Channel DDR5 RDIMM / MCR DIMM, 16 x DIMMs
- Dual ROM Architecture
- 2 x 1Gb/s LAN ports via Broadcom® BCM5720
- 2 x MCIO 8i connectors with PCIe Gen5 x8 interface
- 6 x MCIO 8i connectors with PCIe Gen5 x8 interface, require 136 PCIe lanes CPU
- 3 x SlimSAS connectors for 12 x SATA 6Gb/s
- 1 x M.2 slot with PCIe Gen5 x2 interface
- 1 x M.2 slot with PCIe Gen5 x2 interface, shared with SATA support
- 4 x PCIe Gen5 x16 and x8 expansion slots
- 1 x OCP 3.0 Gen5 x16 slot

Specification

Form Factor	E-ATX (304.8W x 330.2D mm)	**Rear I/O**	2 x USB 3.2 Gen1, 1 x Mini-DP, 2 x RJ45, 1 x MLAN, 1 x ID button
CPU	Intel® Xeon® 6 Processors - Intel® Xeon® 6700E-Series Processors - Intel® Xeon® 6700P-Series Processors - Intel® Xeon® 6500P-Series Processors Single processor, TDP up to 350W	**Internal I/O**	1 x CPU fan header, 6 x System fan headers, 1 x USB 3.2 Gen1 x2 header, 8 x MCIO 8i connectors, 3 x SlimSAS 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
Socket	1 x LGA 4710 (Socket E2)	**Security Modules**	1 x TPM header with SPI interface - Optional TPM2.0 kit: CTM012 1 x PRoT module connector (M.2 M-key) - Optional PRoT module (AST1060 solution): CSC1200
Chipset	System on Chip		
Memory	8-Channel DDR5 RDIMM / MCR DIMM, 16 x DIMM slots RDIMM: Up to 6400 MT/s (1DPC), 5200 MT/s (2DPC) MCR DIMM: Up to 8000 MT/s *MCR DIMMs are only supported with Intel Xeon 6 Processors with P-cores		
		PSU Connectors	1 x 24-pin ATX main power connector 2 x 8-pin ATX 12V power connectors 1 x 4-pin 12V standby power connector
LAN	2 x 1Gb/s LAN ports (1 x Broadcom® BCM5720) Supported NCSI function (by switch) 1 x 10/100/1000 Mbps Management LAN	**Board Management**	ASPEED® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
Video	Integrated in ASPEED® AST2600 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp	**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)
Storage	2 x MCIO 8i connectors for 4 x Gen5 NVMe 3 x SlimSAS connectors for 12 x SATA 6Gb/s (SATA support is shared with 1 x M.2 slot)	**Retail Packaging Content**	1 x MS34-CP0, 1 x I/O shield, 1 x Quick start guide, 2 x Carrier clips, 1 x Mini-DP to D-Sub cable Single Box dimensions: 409 x 355 x 78 mm Carton dimensions: 729 x 415 x 432 mm Quantity: 10 x single boxes in one carton
Expansion Slots	3 x PCIe x16 (Gen5 x16) slot 1 x PCIe x16 (Gen5 x16 or x8) slot, shared with Slot_1 1 x OCP 3.0 Gen5 x16 slot (supports NCSI function by switch) 2 x M.2 slots (M-key, PCIe Gen5 x2, support 2280/22110 cards) - 1 x M.2 slot is shared with SATA support 2 x MCIO 8i (PCIe Gen5 x8) connectors 6 x MCIO 8i (PCIe Gen5 x8) connectors (require 136 PCIe lanes CPU)	**Bulk Packaging Content**	10 x MS34-CP0, 10 x I/O shields, 20 x Carrier clips Carton dimensions: 600 x 473 x 517 mm
		Reference Numbers	Retail: 9MS34CP0MR-000-1* Bulk: 9MS34CP0NR-000-1*

Learn more about GIGABYTE server at **https://www.gigabyte.com/Enterprise**

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