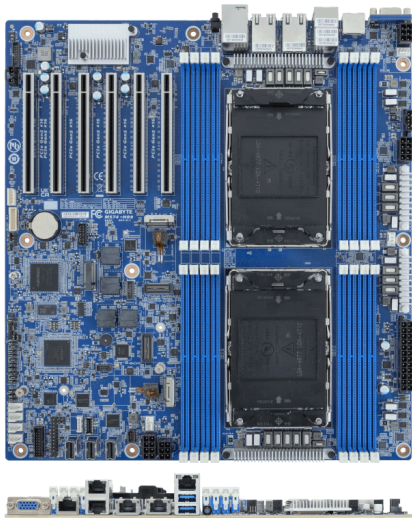


MS74-HB0 (Rev. 1.x)

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



Key Features

- Dual Intel® Xeon® 6700/6500-series processors
- 8-Channel DDR5 RDIMM/MRDIMM per CPU with 16 x DIMMs
- 2 x 10 Gb/s LAN ports via Intel® X710-AT2
- 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 x4
- 6 x PCIe x16 slots with Gen5 x16 lanes

Specification

Form Factor	E-ATX (W304.8 x D330.2 mm)	Internal I/O	1 x 24-pin ATX main power connector 2 x 8-pin ATX 12V power connectors 2 x 6-pin ATX 12V power connectors 2 x CPU fan headers / 5 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)
CPU	Intel® Xeon® 6 processors - Intel® Xeon® 6700-series processors - Intel® Xeon® 6500-series processors Dual processors, TDP up to 350 W	Rear I/O	2 x USB 3.2 Gen1 ports (Type-A) 1 x VGA port 1 x RJ45 serial port 4 x RJ45 ports 1 x MLAN port 1 x ID button with LED
Socket	2 x LGA 4710 (Socket E2)	Security Modules	1 x TPM header (SPI), Optional TPM 2.0 kit: CTM012 1 x ProT connector (only enabled on RoT SKU)
Chipset	System on Chip	Board Management	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
Memory	8-Channel DDR5 RDIMM/MRDIMM, 16 x DIMMs [RDIMM] Up to 6400 MT/s [MRDIMM] Up to 8000 MT/s [†] MRDIMMs are supported only on select 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 2 x 6-pin ATX 12V power connectors
OS Compatibility	OS Support List	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)
LAN	2 x 10 Gb/s LAN (1 x Intel® X710-AT2), Support NCSI (by switch) 2 x 1 Gb/s LAN (2 x Intel® I210-AT), Support NCSI (by switch) 1 x 10/100/1000 Mb/s Management LAN	Retail Packaging Content	1 x MS74-HB0 1 x I/O shield 1 x Quick start guide 4 x CPU carriers 1 x SlimSAS 4i to 4 x SATA cable (600 mm) Quantity: 10 x single boxes in one carton
Video	Integrated in ASPEED® AST2600 - 1 x VGA port	Bulk Packaging Content	10 x MS74-HB0 10 x I/O shields 40 x CPU carriers
Audio	N/A	Ordering Part Numbers	Retail: 9MS74HB0MR-000-1* Bulk: 9MS74HB0NR-000-1*
Storage Interface	SlimSAS: 3 x SlimSAS 4i for 12 x SATA M.2: 2 x M.2 (2280/22110), PCIe Gen5 x4		
RAID	Onboard VROC key header		
PCIe Expansion Slots	Slot_6: PCIe x16 (Gen5 x16), from CPU_0 Slot_5: PCIe x16 (Gen5 x16), from CPU_0 Slot_4: PCIe x16 (Gen5 x16), from CPU_0 Slot_3: PCIe x16 (Gen5 x16), from CPU_1 Slot_2: PCIe x16 (Gen5 x16), from CPU_1 Slot_1: PCIe x16 (Gen5 x16), from CPU_1		



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