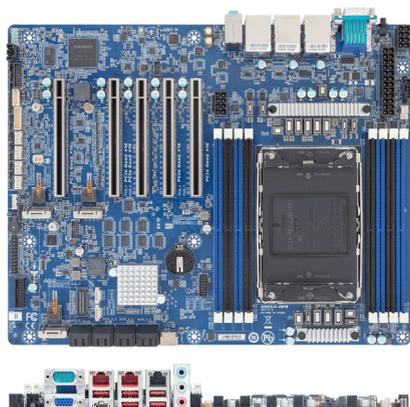# GIGABYTE™

MW54-HP0 (Rev. 1.x)

Motherboard - Intel® Xeon® 600 Processors for Workstations - ATX UP

intel XEON

Key Features

- Single Intel® Xeon® 600 Processors for Workstations
- 4-Channel DDR5 RDIMM/MRDIMM, 8 x DIMMs
- 2 x 2.5Gb/s LAN ports via Intel® I226-LM
- 8 x SATA 7-pin ports
- 3 x M.2 slots with PCIe Gen4 x4 interface
- 5 x PCIe Gen5 x16 expansion slots

Specification

Form Factor	ATX (W304.8 x D244 mm)	**Internal I/O**	1 x 24-pin ATX main power connector 2 x 8-pin ATX 12V power connectors 1 x CPU fan header 4 x System fan headers 1 x Front audio header 1 x USB 3.2 Gen2x2 header (Type-E) 1 x USB 3.2 Gen1 x2 header 3 x M.2 slots 8 x SATA 7-pin connectors 1 x VROC connector 1 x Front panel header 1 x Backplane board header 1 x PMBus header 1 x IPMB header 1 x TPM header
CPU	Intel® Xeon® 600 processors for workstations Single processor, TDP up to 350W		
Socket	1 x LGA 4710-2		
Chipset	Intel® W890		
Memory	4-channel DDR5 RDIMM/MRDIMM, 8 x DIMMs [RDIMM] Up to 6400 MT/s (1DPC), 5200 MT/s (2DPC) [MRDIMM] Up to 8000 MT/s [1] [1] MRDIMMs are supported only on select SKUs and only in a 1DPC configuration.		
LAN	2 x 2.5Gb/s LAN (2 x Intel® I226-LM) 1 x 10/100/1000 Mbps Management LAN	**Rear I/O**	1 x USB 3.2 Gen2x2 port (Type-C) 5 x USB 3.2 Gen2x1 ports (Type-A) 1 x VGA port 1 x Serial port 2 x RJ45 ports 1 x MLAN port 3 x Audio jacks 1 x ID button with LED
Video	Integrated in ASPEED® AST2600 - 1 x VGA port		
Audio	Realtek® ALC897 HD Audio Codec Supports 2/4/5.1/7.1 channel configurations 3 x Audio jacks (Audio in/Audio out/Mic)		
Storage Interface	**SATA 7-pin:** 8 x SATA **M.2:** 3 x M.2 (2280), PCIe Gen4 x4	**Security Modules**	1 x TPM header (SPI), Optional TPM2.0 kit: CTM012
		Board Management	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
RAID	Intel® SATA RAID 0/1/10/5 Onboard VROC key header	**PSU Connectors**	1 x 24-pin ATX main power connector 2 x 8-pin ATX 12V power connectors
PCIe Expansion Slots	5 x PCIe Gen5 x16	**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)
		Ordering Part Numbers	Retail: 9MW54HP0MR-000-1* Bulk: 9MW54HP0NR-000-1*

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

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