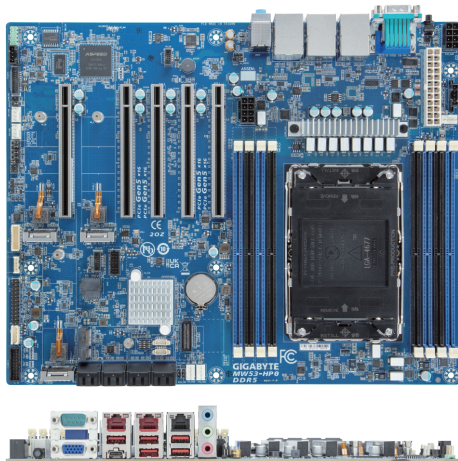


# MW53-HP0

ATX Motherboard - Intel® Xeon® W



## Features

- Intel® Xeon® W-3500/3400 Processors
- Intel® Xeon® W-2500/2400 Processors
- Single processor, LGA 4677
- Intel® W790 Chipset
- 4-Channel RDIMM DDR5, 8 x DIMMs
- 2 x 2.5Gb/s LAN ports via Intel® I226-LM
- 8 x SATA 6Gb/s ports
- 3 x M.2 slots with PCIe Gen4 x4 interface
- 1 x M.2 slot with PCIe Gen3 x1 interface for Wi-Fi add-in cards
- 4 x PCIe Gen5 x16 expansion slots
- 1 x PCIe Gen3 x4 expansion slot

## Specification

<b>Form Factor</b>	ATX (304.8W x 244D mm)	<b>Internal I/O</b>	1 x CPU fan header, 4 x System fan headers, 1 x USB 3.2 Gen1 header, 1 x Front audio header, 1 x PMBus connector, 1 x Clear CMOS jumper, 8 x SATA connectors, 1 x Front panel header, 1 x Backplane board header, 1 x TPM header, 1 x VROC header
<b>CPU</b>	Intel® Xeon® W-3500/3400 Processors Intel® Xeon® W-2500/2400 Processors Single processor, TDP up to 385W	<b>TPM</b>	1 x TPM header with SPI interface (Optional TPM2.0 kit: CTM010)
<b>Socket</b>	1 x LGA 4677 (Socket E)	<b>OS Compatibility</b>	CentOS Stream 9, Debian 11.5.0, Red Hat Enterprise Linux 9.0, Ubuntu 22.04 LTS, Windows 11 Enterprise (x64)
<b>Chipset</b>	Intel® W790 Chipset	<b>Board Management</b>	ASPEED® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
<b>Memory</b>	4-channel DDR5 memory, 8 x DIMM slots RDIMM up to 64GB; 3DS RDIMM up to 256GB supported Memory speed: Up to 4800 MT/s (1DPC), 4400 MT/s (2DPC)	<b>PSU Connectors</b>	1 x 24-pin ATX main power connector 2 x 8-pin ATX 12V power connectors
<b>LAN</b>	2 x 2.5Gb/s LAN ports (2 x Intel® I226-LM) 1 x 10/100/1000 Mbps Management LAN	<b>Operating Properties</b>	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)
<b>Video</b>	Integrated in ASPEED® AST2600 - 1 x VGA port	<b>Retail Packaging Content</b>	1 x MW53-HP0, 1 x I/O shield, 1 x W-2500/2400 (E1B) carrier, 3 x M.2 heatsinks, 1 x Quick guide, 4 x SATA cables (500mm) Single Box dimensions: 360 x 330 x 80 mm Carton dimensions: 674 x 424 x 385 mm
<b>Audio</b>	Realtek® ALC897 HD Audio Codec Supports 2/4/5.1/7.1 channel configurations 3 x Audio jacks (Audio in/Audio out/Mic)	<b>Bulk Packaging Content</b>	10 x MW53-HP0, 10 x I/O shields, 10 x W-2500/2400 carriers Carton dimensions: 600 x 473 x 495 mm
<b>Storage Interface</b>	8 x SATA 6Gb/s ports 3 x M.2 slots: M-key, PCIe Gen4 x4, support 2280 cards	<b>Reference Numbers</b>	Retail (Refresh): 9MW53HP0MR-000-3* Bulk (Refresh): 9MW53HP0NR-000-3* Retail: 9MW53HP0MR-000-1* Bulk: 9MW53HP0NR-000-1*
<b>RAID</b>	Intel® SATA RAID 0/1/10/5	<b>Optional parts</b>	W-3500/3400 (E1A) carrier: 12KRC-014677-00R
<b>Expansion Slots</b>	4 x PCIe x16 (Gen5 x16) slots 1 x PCIe x16 (Gen3 x4) slot 1 x M.2 slot for Wi-Fi: E-key, PCIe Gen3 x1, supports 2230 cards		
<b>Rear I/O</b>	1 x VGA, 1 x COM, 2 x RJ45, 1 x MLAN, 3 x Audio jacks, 5 x USB 3.2 Gen2x1 (Type-A), 1 x USB 3.2 Gen2x2 (Type-C)		



Learn more at <https://www.GIGABYTE.com/enterprise>

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