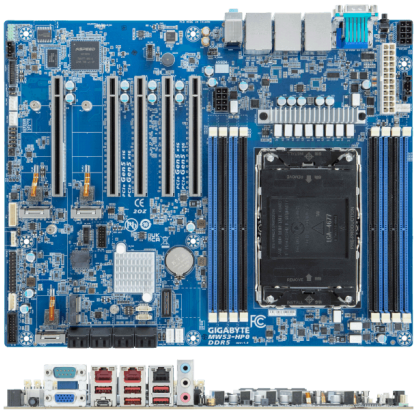
GIGABYTE™

MW53-HP0 (Rev. 1.x/3.x)

Motherboard - Intel® Xeon® W-3500/2500/3400/2400 Processors - ATX, UP



Key Features

- Single Intel® Xeon® W-3500/3400 processors
- Single Intel® Xeon® W-2500/2400 processors
- 4-Channel DDR5 RDIMM per CPU with 8 x DIMMs
- 2 x 2.5 Gb/s LAN ports via Intel® I226-LM
- 8 x SATA 7-pin ports
- 3 x M.2 slots with PCIe Gen4 x4
- 1 x M.2 slot with PCIe Gen3 x1 for Wi-Fi add-in cards
- 4 x PCIe x16 slots with Gen5 x16 lanes
- 1 x PCIe x16 slot with Gen3 x4 lanes

Specification

Form Factor	ATX (W304.8 x D244 mm)
CPU	Intel® Xeon® W-3500 processors Intel® Xeon® W-2500 processors Intel® Xeon® W-3400 processors Intel® Xeon® W-2400 processors Single processor, TDP up to 385 W
Socket	1 x LGA 4677
Chipset	Intel® W790
Memory	4-channel DDR5 RDIMM, 8 x DIMMs Up to 4800 MT/s (1DPC), 4400 MT/s (2DPC)
LAN	2 x 2.5 Gb/s LAN (2 x Intel® I226-LM) 1 x 10/100/1000 Mb/s Management LAN
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, from PCH **M.2:** 3 x M.2 (2280), PCIe Gen4 x4, from PCH
RAID	Intel® SATA RAID 0/1/10/5 Onboard VROC key header
PCIe Expansion Slots	Slot_7: PCIe x16 (Gen5 x16), from CPU Slot_6: PCIe x16 (Gen5 x16), from CPU Slot_5: PCIe x16 (Gen5 x16), from CPU Slot_4: PCIe x16 (Gen5 x16), from CPU Slot_2: PCIe x16 (Gen3 x4), from PCH 1 x M.2 (2230), E-key (Wi-Fi), PCIe Gen3 x1, from PCH
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 Gen1 x2 header 3 x M.2 slots for storage / 1 x M.2 slot for Wi-Fi 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
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
Security Modules	1 x TPM header (SPI), Optional TPM 2.0 kit: CTM010
Board Management	ASPEED® AST2600 Baseboard Management Controller GIGABYTE Management Console web interface
PSU Connectors	1 x 24-pin ATX main power connector 2 x 8-pin ATX 12V power connectors
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)
Retail Packaging Content	1 x MW53-HP0 1 x I/O shield 1 x Quick start guide 1 x W-2500/2400 (E1B) carrier 3 x M.2 heatsinks 4 x SATA cables (500 mm) Quantity: 10 x single boxes in one carton
Bulk Packaging Content	10 x MW53-HP0 10 x I/O shields 10 x W-2500/2400 (E1B) carriers
Ordering Part Numbers	Retail: 9MW53HP0MR-000-3* Bulk: 9MW53HP0NR-000-3*
Optional Parts	- CPU fansink: 25ST0-0Z9221-A3R - W-3500/3400 (E1A) carrier: 12KRC-0I4677-00R

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

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Designed by GIGA COMPUTING