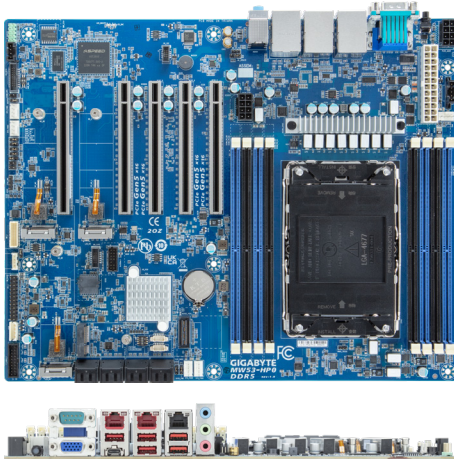


# MW53-HP0

## Intel Xeon W Workstation Board



### Features

- Intel® Xeon® W-2400 Processor Family
- Single processor, LGA 4677
- Intel® W790 Chipset
- 4-Channel DDR5 RDIMM/3DS-DIMM, 8 x DIMMs
- ASPEED® AST2600 BMC
- Dual 2.5GbE LAN port (Intel® i226-LM)
- 1 x dedicated management port
- 4 x PCIe Gen5 x16 expansion slots for GPUs
- 3 x M.2 slots with PCIe Gen4 x4 interface
- 8 x SATA III 6Gb/s ports
- 5 x USB 3.2 Gen2 Type-A & 1 x USB 3.2 Gen2x2 Type-C

### 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-2400 Processor Family Single processor, TDP up to 225W	<b>TPM</b>	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
<b>Socket</b>	1 x LGA 4677	<b>OS Compatibility</b>	Windows 11 Enterprise (x64) Red Hat Enterprise Linux 9.0 (x64) Ubuntu 22.04 LTS (x64) CentOS Stream 9 (x64) Debian 11.5.0
<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 modules up to 64GB supported RDIMM-3DS modules up to 256GB supported Memory speed: up to 4800 MHz	<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 2.5 GbE LAN ports (Intel® i226LM) 1 x 10/100/1000 Management LAN (Realtek® RTL8211FD)	<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 MCC CPU carrier, 3 x M.2 heatsinks, 1 x Quick start guide, 2 x SATA cables Box dimensions: 360 x 330 x 80 mm Carton dimensions: 674 x 424 x 385 mm Quantity: 10 x single boxes in one carton
<b>Audio</b>	Realtek® ALC897 HD audio codec Supports 2/4/5.1/7.1 channel configurations 3 ports Audio Jack (Audio in/Audio out/Mic)	<b>Bulk Packaging Content</b>	10 x MW53-HP0, 10 x I/O shields, 10 x MCC CPU carrier Carton dimensions: 600 x 473 x 495 mm
<b>SATA</b>	8 x SATA III 6Gb/s ports	<b>Reference Numbers</b>	Retail: 9MW53HP0MR-000 Bulk: 9MW53HP0NR-000
<b>RAID</b>	Intel® SATA RAID 0/1/10/5		
<b>Expansion Slots</b>	4 x PCIe x16 (Gen5 x16) slots 1 x PCIe x16 (Gen3 x4) slot 3 x M.2 slots for storage: - M-key, PCIe Gen4 x4, supports NGFF-2280 card 1 x M.2 slot for Wi-Fi: - E-key, PCIe interface, supports NGFF-2230 card		
<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 Gen2 Type-A, 1 x USB3.2 Gen2x2 Type-C		



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