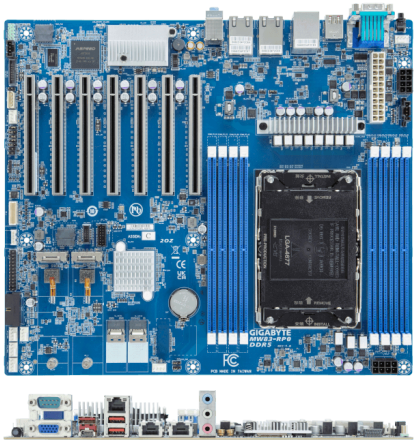
GIGABYTE™

MW83-RP0 (Rev. 1.x/3.x)

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



Key Features

- Single Intel® Xeon® W-3500/3400 processors
- Single Intel® Xeon® W-2500/2400 processors*
- 8-Channel DDR5 RDIMM per CPU with 8 x DIMMs
- 2 x 10 Gb/s LAN ports via Intel® X710-AT2
- 2 x SlimSAS 4i connectors supporting SATA
- 2 x M.2 slots with PCIe Gen4 x4
- 5 x PCIe x16 slots with Gen5 x16 lanes
- 2 x PCIe x16 slots with Gen4 x16 lanes

Specification

Form Factor	CEB (W304.8 x D266.7 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 *Please select Intel® Xeon® W-3500/3400 processors to enable all functions.
Socket	1 x LGA 4677
Chipset	Intel® W790
Memory	8-channel DDR5 RDIMM, 8 x DIMMs [1] Up to 4800 MT/s [1] Only 4 x DIMMs are supported with Intel® Xeon® W-2500/2400 processors.
LAN	2 x 10 Gb/s LAN (1 x Intel® X710-AT2), Support NCSI 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	**SlimSAS:** 2 x SlimSAS 4i for 8 x SATA, from PCH **M.2:** 2 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 [1] Slot_5: PCIe x16 (Gen5 x16), from CPU [1] Slot_4: PCIe x16 (Gen5 x16), from CPU [1] Slot_3: PCIe x16 (Gen4 x16), from CPU Slot_2: PCIe x16 (Gen5 x16), from CPU Slot_1: PCIe x16 (Gen4 x16), from CPU [1] Slot_4/5/6 are not supported with Intel® Xeon® W-2500/2400 processors.
Internal I/O	1 x 24-pin ATX main power connector 2 x 8-pin ATX 12V power connectors 1 x CPU fan header / 6 x System fan headers 1 x Front audio header / 1 x USB 3.2 Gen1 x2 header 2 x M.2 slots / 2 x SlimSAS 4i 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) 3 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 MW83-RP0 1 x I/O shield 1 x Quick start guide 1 x W-3500/3400 (E1A) carrier 1 x SlimSAS 4i to 4 x SATA cable (600 mm) Quantity: 10 x single boxes in one carton
Bulk Packaging Content	10 x MW83-RP0 10 x I/O shields 10 x W-3500/3400 (E1A) carriers
Ordering Part Numbers	Retail: 9MW83RP0MR-000-3* Bulk: 9MW83RP0NR-000-3*
Optional Parts	- CPU fansink: 25ST0-0Z9221-A3R - W-2500/2400 (E1B) carrier: 12KRC-0I4677-12R

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

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