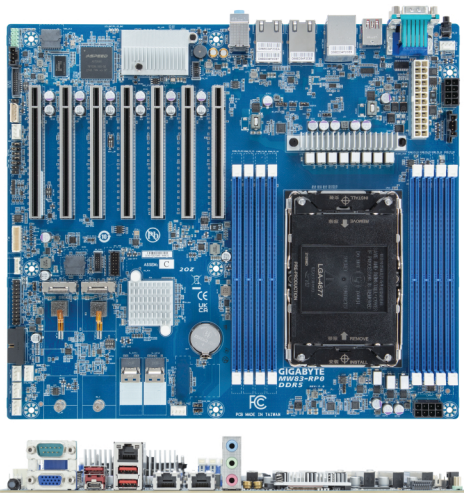


MW83-RP0

CEB Motherboard - Intel® Xeon® W



Features

- Intel® Xeon® W-3400/2400* Processors
- Single processor, LGA 4677
- 8-Channel DDR5 RDIMM, 8 x DIMMs
- Intel® W790 Chipset
- 2 x 10Gb/s LAN ports via Intel® X710-AT2
- 2 x SlimSAS connectors for 8 x SATA 6Gb/s
- 5 x PCIe Gen5 x16 expansion slots
- 2 x PCIe Gen4 x16 expansion slots
- 2 x M.2 slots with PCIe Gen4 x4 interface
- ASPEED® AST2600 BMC

Specification

Form Factor	CEB (304.8W x 266.7D mm)	Internal I/O	1 x CPU fan header, 6 x System fan headers, 2 x USB 3.2 Gen1 header, 1 x Front audio header, 1 x PMBus connector, 1 x Clear CMOS jumper, 2 x SlimSAS ports, 1 x Front panel header, 1 x Backplane board header, 1 x TPM header, 1 x VROC header
CPU	Intel® Xeon® W-3400 Processors Intel® Xeon® W-2400 Processors* Single processor, TDP up to 350W *Please select Intel® Xeon® W-3400 to enable all functions.	TPM	1 x TPM header with SPI interface (Optional TPM2.0 kit: CTM010)
Socket	1 x LGA 4677 (Socket E)	OS Compatibility	CentOS Stream 9 (x64) Debian 11.5.0 Red Hat Enterprise Linux 9.0 (x64) Ubuntu 22.04 LTS (x64) Windows 11 Enterprise (x64)
Chipset	Intel® W790 Chipset	Board Management	ASPEED® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
Memory	8-Channel DDR5 memory, 8 x DIMM slots* RDIMM up to 64GB; 3DS RDIMM up to 256GB supported Memory speed: up to 4800 MT/s *Only 4 x DIMM slots are supported with Intel® Xeon® W-2400 CPUs.	PSU Connectors	1 x 24-pin ATX main power connector 2 x 8-pin ATX 12V power connectors
LAN	2 x 10Gb/s LAN ports (Intel® X710-AT2) 1 x 10/100/1000 Management LAN	Operating Properties	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)
Video	ASPEED® AST2600 Integrated 2D Graphic Adapter	Retail Packaging Content	1 x MW83-RP0, 1 x I/O shield, 1 x W-3400 (E1A) carrier 1 x Quick start guide, 1 x SlimSAS to SATA 6Gb/s cable (600mm) Single Box dimensions: 360 x 330 x 80 mm Carton dimensions: 674 x 424 x 385 mm (10 single boxes in 1 carton)
Audio	Realtek® ALC897 HD Audio Codec Supports 2/4/5.1/7.1 channel configurations 3 x Audio Jacks (Audio in/Audio out/Mic)	Bulk Packaging Content	10 x MW83-RP0, 10 x I/O shields, 10 x W-3400 (E1A) carriers Carton dimensions: 600 x 473 x 495 mm
SATA	2 x SlimSAS connectors for 8 x SATA 6Gb/s	Reference Numbers	Retail: 9MW83RP0MR-000-1* Bulk: 9MW83RP0NR-000-1*
RAID	Intel® SATA RAID 0/1/10/5	Optional parts	W-2400 (E1B) carrier: 12KRC-014677-12R
Expansion Slots	5 x PCIe x16 (Gen5 x16) slots 2 x PCIe x16 (Gen4 x16) slots *Slot_4/5/6 are not supported with Intel® Xeon® W-2400 CPUs. 2 x M.2 slots for storage: - M-key, PCIe Gen4 x4, supports 2280 cards		
Rear I/O	1 x USB 3.2 Gen2x2 (Type-C), 3 x USB 3.2 Gen2x1 (Type-A), 1 x VGA, 1 x COM, 2 x RJ45, 1 x MLAN, 3 x Audio jacks		

Designed by