# GIGABYTE™

# MW94-RP0 (Rev. 1.x)

Motherboard - Intel® Xeon® 600 Processors for Workstations - E-ATX UP

intel XEON



## Key Features

- Single Intel® Xeon® 600 Processors for Workstations
- 8-Channel DDR5 RDIMM/MRDIMM, 8 x DIMMs
- 2 x 10Gb/s LAN ports via Intel® X710-AT2
- 2 x MCIO 8i connectors with PCIe Gen5 x8 interface**\***
- 1 x SlimSAS 8i connector with PCIe Gen4 x8 interface
- 2 x SlimSAS 4i connectors with SATA interface
- 4 x M.2 slots with PCIe Gen5 x4 interface
- 4 x PCIe Gen5 x16 expansion slots
- 2 x PCIe Gen5 x16 expansion slots**\***

\* Require Intel® Xeon® 690/670/650 processors.

## Specification

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| **Form Factor** | E-ATX (W304.8 x D330.2 mm) |
| **CPU** | Intel® Xeon® 600 processors for workstations<br>Single processor, TDP up to 350W<br><br>\*Please select Intel® Xeon® 690/670/650 processors to enable all functions. |
| **Socket** | 1 x LGA 4710-2 |
| **Chipset** | Intel® W890 |
| **Memory** | 8-channel DDR5 RDIMM/MRDIMM, 8 x DIMMs [1]<br>[RDIMM] Up to 6400 MT/s<br>[MRDIMM] Up to 8000 MT/s [2]<br><br>[1] Only 4 x DIMMs are supported with Intel® Xeon® 630 processors.<br>[2] MRDIMMs are supported only on select SKUs. |
| **LAN** | 2 x 10Gb/s LAN (1 x Intel® X710-AT2), Support NCSI<br>1 x 10/100/1000 Mbps Management LAN |
| **Video** | Integrated in ASPEED® AST2600<br>- 1 x VGA port |
| **Audio** | Realtek® ALC897 HD Audio Codec<br>Supports 2/4/5.1/7.1 channel configurations<br>3 x Audio Jacks (Audio in/Audio out/Mic) |
| **Storage Interface** | **MCIO:**<br>2 x MCIO 8i for 4 x Gen5 NVMe [1]<br>**SlimSAS:**<br>1 x SlimSAS 8i for 2 x Gen4 NVMe<br>2 x SlimSAS 4i for 8 x SATA<br>**M.2:**<br>4 x M.2 (2280/22110), PCIe Gen5 x4<br><br>[1] Require Intel® Xeon® 690/670/650 processors. |
| **RAID** | Intel® SATA RAID 0/1/10/5<br>Onboard VROC key header |
| **PCIe Expansion Slots** | 4 x PCIe Gen5 x16<br>2 x PCIe Gen5 x16 [1]<br><br>2 x MCIO 8i (Gen5 x8)<br><br>[1] Slot_2/6 require Intel® Xeon® 690/670/650 processors. |

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| **Internal I/O** | 1 x 24-pin ATX main power connector<br>2 x 8-pin ATX 12V power connectors<br>1 x 4-pin power connector (for PCIe slots)<br>1 x CPU fan header<br>6 x System fan headers<br>1 x Front audio header<br>1 x USB 3.2 Gen2x2 header (Type-E)<br>1 x USB 3.2 Gen1 x2 header<br>4 x M.2 slots<br>2 x MCIO 8i connectors<br>1 x SlimSAS 8i connector<br>2 x SlimSAS 4i connectors<br>1 x VROC connector<br>1 x Front panel header<br>1 x Backplane board header<br>1 x PMBus header<br>1 x IPMB header<br>1 x TPM header |
| **Rear I/O** | 1 x USB 3.2 Gen2x2 port (Type-C)<br>3 x USB 3.2 Gen2x1 ports (Type-A)<br>1 x VGA port<br>1 x Serial port<br>2 x RJ45 ports<br>1 x MLAN port<br>3 x Audio jacks<br>1 x ID button with LED |
| **Security Modules** | 1 x TPM header (SPI), Optional TPM2.0 kit: CTM012 |
| **Board Management** | ASPEED® AST2600 Baseboard Management Controller<br>GIGABYTE Management Console web interface |
| **PSU Connectors** | 1 x 24-pin ATX main power connector<br>2 x 8-pin ATX 12V power connectors<br>1 x 4-pin power connector (for PCIe slots) |
| **Operating Properties** | Operating: 10°C to 40°C, 8% to 80% (non-condensing)<br>Non-operating: -40°C to 60°C, 20% to 95% (non-condensing) |
| **Ordering Part Numbers** | Retail: 9MW94RP0MR-000-1*<br>Bulk: 9MW94RP0NR-000-1* |



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

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