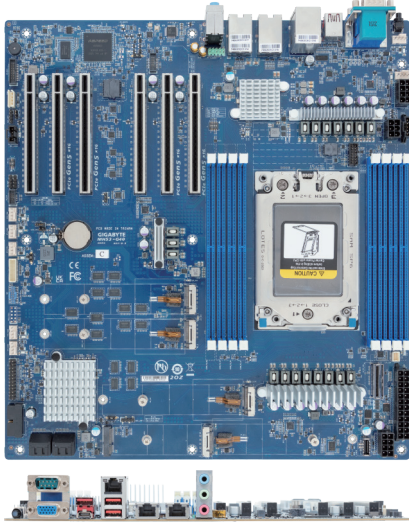


MH53-G40

Workstation Motherboard

AMD
THREADRIPPER
PRO



Features

- AMD Ryzen™ Threadripper™ PRO 9000/7000 WX-Series Processors
- 8-Channel DDR5 RDIMM, 8 x DIMMs
- AMD WRX90 Chipset
- 2 x 10Gb/s LAN ports via Broadcom® BCM57416
- 1 x MCIO 8i connector for 2 x Gen5 NVMe or 8 x SATA 6Gb/s
- 4 x SATA 6Gb/s ports
- 4 x M.2 slots with PCIe Gen5 x4 interface
- 1 x M.2 slot with PCIe Gen3 x1 interface for Wi-Fi add-in cards
- 6 x PCIe Gen5 x16 expansion slots

Specification

Form Factor	E-ATX (304.8W x 330.2D mm)	Internal I/O	1 x CPU fan header, 6 x System fan headers, 1 x Front audio header, 1 x USB 3.2 Gen2 header, 1 x USB 3.2 Gen1 header, 1 x MCIO 8i connector, 4 x SATA ports, 1 x Front panel header, 1 x Backplane board header, 1 x COM header, 1 x PMBus header, 1 x IPMB header, 1 x TPM header
CPU	AMD Ryzen™ Threadripper™ PRO 9000 WX-Series Processors AMD Ryzen™ Threadripper™ PRO 7000 WX-Series Processors Single processor, TDP up to 350W	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, 1 x ID button
Socket	1 x sTR5	TPM	1 x TPM header with SPI interface (Optional TPM2.0 kit: CTM010)
Chipset	AMD WRX90	PSU Connectors	1 x 24-pin ATX main power connector 2 x 8-pin ATX 12V power connectors 1 x 6-pin ATX 12V power connector
Memory	8-Channel DDR5 memory, 8 x DIMM slots RDIMM/3DS RDIMM supported Memory speed: Up to 5200 MT/s	Board Management	ASPEED® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
LAN	2 x 10Gb/s LAN ports (1 x Broadcom® BCM57416) Supported NCSI function 1 x 10/100/1000 Mbps Management LAN	OS Compatibility	Red Hat Enterprise Linux Ubuntu Windows 11
Video	Integrated in ASPEED® AST2600 2D Video Graphic Adapter with PCIe bus interface 1920x1200@60Hz 32bpp	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)
Audio	Realtek® ALC897 HD Audio Codec Supports 2/4/5.1/7.1 channel configurations 3 x Audio jacks (Audio in/Audio out/Mic)	Retail Packaging Content	1 x MH53-G40, 1 x I/O shield, 1 x Quick start guide Single Box dimensions: 409 x 355 x 78 mm Quantity: 10 x single boxes in one carton
Storage	1 x MCIO 8i connector for 2 x Gen5 NVMe or 8 x SATA 6Gb/s 4 x SATA 6Gb/s ports 4 x M.2 slots (M-key, PCIe Gen5 x4, support 2280/22110 cards)	Bulk Packaging Content	10 x MH53-G40, 10 x I/O shields Carton dimensions: 600 x 473 x 517 mm
RAID	RAID 0/1/10/5	Reference Numbers	Retail: 9MH53G40MR-000-3*/1* Bulk: 9MH53G40NR-000-3*/1*
Expansion Slots	6 x PCIe Gen5 x16 slots 4 x M.2 slots for storage (M-key, PCIe Gen5 x4, support 2280/22110) 1 x M.2 slot for Wi-Fi (E-key, PCIe Gen3 x1, support 2230 cards) 1 x MCIO 8i (Gen5 x8 or SATA) connector		



Learn more about GIGABYTE server at <https://www.gigacomputing.com>

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