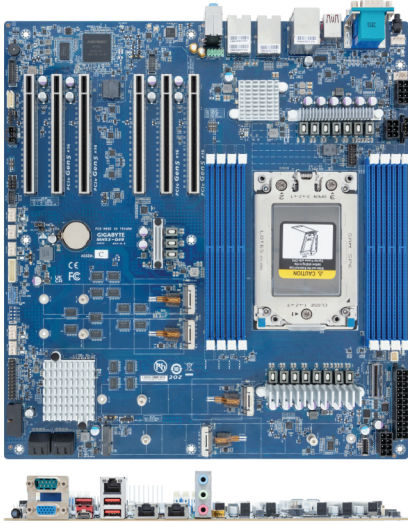


MH53-G40

Workstation Motherboard



Features

- Single AMD Ryzen™ Threadripper™ PRO 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)

CPU AMD Ryzen™ Threadripper™ PRO 7000 WX-Series Processors
Up to 96 cores, 192 threads
Single processor, TDP up to 350W

Socket 1 x sTR5

Chipset AMD WRX90

Memory 8-Channel DDR5 memory, 8 x DIMM slots
RDIMM/3DS RDIMM supported
Memory speed: Up to 5200 MT/s

LAN 2 x 10Gb/s LAN ports (1 x Broadcom® BCM57416)
Supported NCSI function
1 x 10/100/1000 Mbps Management LAN

Video Integrated in ASPEED® AST2600
2D Video Graphic Adapter with PCIe bus interface
1920x1200@60Hz 32bpp

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 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)

RAID RAID 0/1/10/5

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

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

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

TPM 1 x TPM header with SPI interface (Optional TPM2.0 kit: CTM010)

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

Board Management ASPEED® AST2600 management controller
GIGABYTE Management Console (AMI MegaRAC SP-X)

OS Compatibility Red Hat Enterprise Linux (x86_64)
Ubuntu (x86_64)
Windows 11 (x64)

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)

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

Bulk Packaging Content 10 x MH53-G40, 10 x I/O shields
Carton dimensions: 600 x 473 x 517 mm

Reference Numbers Retail: 9MH53G40MR-000-1*
Bulk: 9MH53G40NR-000-1*

Designed by

