

MC62-G40

AMD Ryzen™ Threadripper™ PRO Workstation Board



Features

- AMD Ryzen™ Threadripper™ PRO 3000WX Processors
- 8-Channel DDR4 UDIMM/RDIMM/3DS RDIMM/LRDIMM, 8 x DIMMs
- Dual Intel® 10GbE and 1GbE LAN ports
- 1 x Dedicated management port
- 7 x PCIe 4.0 slots for Multi-GPU
- 4 x SATA 6Gb/s ports
- 3 x SlimSAS ports (PCIe Gen4 or SATA)
- 2 x M.2 (PCIe Gen4 or SATA)
- 6 x USB 3.2 Gen2

Specification

Form Factor	CEB (W305 x D267 mm)	Internal I/O	1 x CPU fan header, 1 x PCH fan header, 8 x System fan headers, 2 x USB 3.0 headers, 1 x PMBus connector, 4 x SATA III ports, 2 x M.2 slots for storage, 1 x M.2 slot for Wi-Fi, 3 x U.2 connector, 1 x Front panel header, 1 x Back plane board header, 1 x PMBus header, 1 x IPMB header, 1 x TPM header, 1 x COM header
CPU	AMD Ryzen™ Threadripper™ PRO 3000WX Series Processors	Rear I/O	1 x VGA, 1 x ID button, 2 x USB 3.2 gen2 (Type-A + Type-C), 1 x RJ45 (GbE LAN), 1 x MLAN, 4 x USB 3.2 gen2 (Type-A), 2 x RJ45 (red, 10GbE LAN), 1 x 3 in 1 Audio jacks
Socket	Socket sWRX8	TPM	1 x TPM header with SPI interface Optional TPM2.0 kit: CTM010
Chipset	AMD WRX80	PSU Connectors	1 x 24-pin ATX main power connector 2 x 8-pin ATX 12V power connectors
Memory	8-Channel DDR4 memory, 8 x DIMM slots Support for 3200/2933/2666/2400/2133 MHz; ECC & non-ECC; buffered & unbuffered; UDIMM, RDIMM, 3DS R-DIMM, LRDIMM Total up to 2TB of system memory (256GB single LRDIMM capacity)	System Management	Aspeed® AST2600 management controller GIGABYTE Management Console (AMI MegaRAC SP-X)
LAN	2 x 10GbE LAN (Intel® X550-AT2) 1 x GbE LAN (Intel® i210) 1 x 10/100/1000 management LAN	OS Compatibility	Windows 10 (64bit) Red Hat Enterprise Linux 8.2 (64bit) / 8.3 (64bit) Ubuntu 20.04 LTS (64bit)
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® ALC4080 HD audio codec Supports 7.1 channel configurations 3 ports Audio Jack (Audio in/Audio out/Mic)	Retail Packaging Content	1 x MC62-G40, 1 x I/O shield, 1 x Quick start guide 4 x SATA III cables (500mm), 1 x slimSAS to 4 SATA III cable Single Box dimensions: 360 x 330 x 80 mm Carton dimension: 674 x 424 x 385 mm
SATA	4 x SATA III 6Gb/s ports 2 x M.2 slot for storage (PCIe Gen4 x4 or SATA III) 3 x SlimSAS ports (PCIe Gen4 x4 or 4x SATA III each)	Bulk Packaging Content	10 x MC62-G40, 10 x I/O shields Carton dimensions: 600 x 473 x 495 mm
RAID	RAID 0, RAID 1, RAID 5 and RAID 10	Reference Numbers	Retail: 9MC62G40MR-00 Bulk: 9MC62G40NR-00-10B1 I/O shield: 12AIO-MC62G4-00R Fan-sink: 25ST1-243103-A0R (in option)
Expansion Slots	6 x PCIe x16 slots (Gen4 x16) 1 x PCIe x16 slot (Gen4 x8) 2 x M.2 slots for storage: - M-key; PCIe4.0 x4 or 4x SATA III; supports NGFF-2242/2280 card 1 x M.2 slot for Wi-Fi: - E-key; supports NGFF-2230 card 3 x U.2 connector: - SlimSAS type; PCIe Gen4 x4 or 4x SATA III		



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