

Gigabyte MC62-G41, 1xSKT LGA 4094, AMD Threadripper PRO 5000, WRX80, SATA, 2xM.2, 2x10GbE, 2xGbE, IPMI

Part number: MC62-G41



Category	Workstation
Form Factor	CEB
Dimensions	12" x 10.5"
CPU Socket	LGA 4094 (Socket sWRX8)
# of CPU sockets	1
Supported CPU's	AMD Ryzen TR PRO 5000WX AMD Ryzen TR PRO 3000WX
Max CPU TDP	280 W
Chipset	WRX80
Memory Type	DDR4 ECC UDIMM DDR4 ECC RDIMM
Memory Speed	3200 MHz 2933 MHz 2666 MHz 2400 MHz 2133 MHz
# of DIMM's	8
Integrated GPU	ASPEED AST2600
# of PCIe x16 4.0	6
# of PCIe x8 4.0	1
# of USB Ports	5 x USB 3.2 (rear) 1 x USB 3.2 Type-C (rear) 2 x USB 3.2 (header)
# of SATA Ports	4
# of NVMe ports	3
# of M.2 2280	2
# of 1GbE Ports	2 x RJ45
Network Controllers	Intel I210-AT
Integrated BMC	IPMI Dedicated RJ45
BMC chip	ASPEED AST2600
TPM	1 x TPM 2.0 13-pin Header

MC62-G41

Motherboard - AMD Ryzen™ Threadripper™ PRO 5000/3000 WX-Series - CEB UP

- Single AMD Ryzen™ Threadripper™ PRO 5000/3000 WX-Series Processors
- 8-Channel UDIMM/RDIMM/LRDIMM DDR4, 8 x DIMMs

- 1 x 1Gb/s LAN port via Intel® I210-AT
- 3 x SlimSAS connectors with PCIe Gen4 x4 or SATA interface
- 4 x SATA 6Gb/s ports
- 2 x M.2 slots with PCIe Gen4 x4 or SATA interface
- 1 x M.2 slot for Wi-Fi add-in cards
- 7 x PCIe Gen4 x16 and x8 expansion slots

Workstation on Another Level

AMD Ryzen™ Threadripper™ PRO Processors

For the professional workstation users that rely on workloads for visual effects design or rendering, there is the AMD Ryzen™ Threadripper™ PRO. Engineering, data science, and oil & gas exploration are among the fields that need the highest possible CPU platform to handle the large amounts of data in an efficient manner.

Leading single and multi-threaded performance

Top performance throughput with PCIe 4.0

AMD Secure Processor: hardware root-of-trust

Support for administrative and remote management



Up to 64 cores

Up to 128 PCIe 4.0 lanes

8-channel DDR4 3200MHz

Up to 2TB of system
memory

Multi-GPU support

Up to 12 USB 3.2 Gen2
ports

NVMe & SATA RAID
support

MC62-G41 Product Overview



MC62-G41 Motherboard Block Diagram



Multiple Memory Type and High

Capacity

8 x DIMM slots for 8-channel DDR4-3200 memory

AMD Ryzen™ Threadripper™ PRO platform has support for multiple memory types: UDIMM(ECC) / RDIMM / LRDIMM, while supporting up to 2TB of total system memory. It can offer a flexible options for workstations.



High Performance

Supports 4 x Double Wide Accelerators

AMD Ryzen™ Threadripper™ PRO utilizes leadership architecture allotting the MC62-G41 with 128 PCIe 4.0 lanes from 6 x PCIe 4.0 x16 and 1 x PCIe 4.0 x8 slots. This makes the MC62-G41 versatile to handle content creation, deep learning, and virtual machine applications.



Storage Support

Mix Drives

Plentiful NVMe and SATA Storage interface can fulfill your hot and cold data processing requirement at once.

4 x SATAIII ports for cold data from WRX80 chipset

3 x SlimSAS ports (PCIe 4.0 x4 / 4x SATAIII) from WRX80 chipset



Hardware Security

Optional TPM 2.0 Module

For hardware-based authentication, the passwords, encryption keys, and digital certificates are stored in a TPM module to prevent unwanted users from gaining access to your data.

GIGABYTE TPM modules come in either a Serial Peripheral Interface or Low Pin Count bus.



Value-added Management

GIGABYTE offers free-of-charge management applications via a specialized small processor built on the server.

GIGABYTE Management Console

For management and maintenance of a server or a small cluster, users can use the GIGABYTE Management Console, which is pre-installed on each server. Once the servers are running, IT staff can perform real-time health monitoring and management on each server through the browser-based graphical user interface. In addition, the GIGABYTE Management Console also provides:

Support for standard IPMI specifications that allows users to integrate services into a single platform through an open interface

Automatic event recording, which can record system behavior 30 seconds before an event occurs, making it easier to determine subsequent actions
Integrate SAS/SATA/NVMe devices and RAID controller firmware into GIGABYTE Management Console to monitor and control Broadcom® MegaRAID adapters.

GIGABYTE Server Management (GSM)

GSM is a software suite that can manage clusters of servers simultaneously over the internet. GSM can be run on all GIGABYTE servers and has support for Windows and Linux. GSM can be downloaded from GIGABYTE website and complies with IPMI and Redfish standards. GSM includes a complete range of system management functions that includes the following utilities:

GSM Server: A software program that provides real-time, remote control using a graphical user interface through an administrator's computer or through a server in the cluster. The software allows ease of maintenance for large clusters of servers.

GSM CLI: A command-line interface for monitoring and managing remotely.

GSM Agent: A software program installed on each GIGABYTE server node that retrieves information from each system and devices through the OS, and this software integrates with GSM Server or GSM CLI.

GSM Mobile: A mobile app for both Android and iOS that provides admins with real-time system information.

GSM Plugin: An application program interface that allows users to use VMware vCenter for real-time monitoring and management of server clusters.



Visit us for more info:

<https://www.superstorage.pl/gigabyte-mc62-g41-1xskt-lga-4094-amd-threadripper-pro-5000-wrx80-sata-2xm2-2x10gbe-2xgbe-ipmi-p-7692.html>