2-2   Product Specifications

CPU	◆	AMD Socket AM5, support for: AMD Ryzen™ 7000 Series Processors (Go to GIGABYTE's website for the latest CPU support list.)
Chipset	◆	AMD B650
Memory	◆ ◆ ◆ ◆ ◆	Support for DDR5 5200/4800/4400 MT/s memory modules 4 x DDR5 DIMM sockets supporting up to 192 GB (48 GB single DIMM capacity) of system memory Dual channel memory architecture Support for non-ECC Un-buffered DIMM 1Rx8/2Rx8/1Rx16 memory modules Support for AMD EXtended Profiles for Overclocking (AMD EXPO™) and Extreme Memory Profile (XMP) memory modules (The CPU and memory configuration may affect the supported memory types, data rate (speed), and number of DRAM modules, please refer to "Memory Support List" on GIGABYTE's website for more information.)

Onboard Graphics	◆	Integrated Graphics Processor with AMD Radeon™ Graphics support:
		- 1 x DisplayPort, supporting a maximum resolution of 3840x2160@144 Hz
		    * Support for DisplayPort 1.4 version.
		- 1 x HDMI port, supporting a maximum resolution of 4096x2160@60 Hz
		    * Support for HDMI 2.1 version and HDCP 2.3.
		   ** Support for native HDMI 2.1 TMDS compatible ports.
		(Graphics specifications may vary depending on CPU support.)

Audio	◆ ◆ ◆	Realtek® Audio CODEC High Definition Audio 2/4/5.1/7.1-channel * You can change the functionality of an audio jack using the audio software. To configure 7.1-channel audio, access the audio software for audio settings.
LAN	◆	Realtek® 2.5GbE LAN chip (2.5 Gbps/1 Gbps/100 Mbps)
Expansion Slots	◆ ◆	CPU: - 1 x PCI Express x16 slot, supporting PCIe 4.0 and running at x16 Chipset: - 1 x PCI Express x1 slot, supporting PCIe 3.0 and running at x1
Storage Interface	◆ ◆ ◆ ◆	CPU: - 1 x M.2 connector (Socket 3, M key, type 2580 PCIe 4.0 x4/x2 SSD support) - 1 x M.2 connector (Socket 3, M key, type 25110/2280 PCIe 4.0 x4/x2 SSD support) Chipset: - 4 x SATA 6Gb/s connectors RAID 0, RAID 1, and RAID 10 support for NVMe SSD storage devices RAID 0, RAID 1, and RAID 10 support for SATA storage devices
USB	◆	CPU: - 1 x USB Type-C® port on the back panel, with USB 3.2 Gen 2 support - 1 x USB 3.2 Gen 2 Type-A port (red) on the back panel - 2 x USB 2.0/1.1 ports on the back panel

USB	◆ Chipset:
	- 1 x USB Type-C® port with USB 3.2 Gen 1 support, available through the internal USB header
	- 4 x USB 3.2 Gen 1 ports (2 ports on the back panel, 2 ports available through the internal USB header)
	- 4 x USB 2.0/1.1 ports (2 ports on the back panel, 2 ports available through the internal USB header)
Internal Connectors	◆ 1 x 24-pin ATX main power connector
	◆ 1 x 8-pin ATX 12V power connector
	◆ 1 x CPU fan header
	◆ 2 x system fan headers
	◆ 1 x addressable LED strip header (D_LED1)
	◆ 1 x addressable LED strip header (D_LED2) (Note)
	◆ 1 x RGB LED strip header
	◆ 2 x M.2 Socket 3 connectors
	◆ 4 x SATA 6Gb/s connectors
	◆ 1 x front panel header
	◆ 1 x front panel audio header
	◆ 1 x USB Type-C® header, with USB 3.2 Gen 1 support
	◆ 1 x USB 3.2 Gen 1 header
	◆ 1 x USB 2.0/1.1 header
	◆ 1 x Trusted Platform Module header (For the GC-TPM2.0 SPI/GC-TPM2.0 SPI 2.0/ GC-TPM2.0 SPI V2 module only)
	◆ 1 x reset jumper
	◆ 1 x Clear CMOS jumper
Back Panel Connectors	◆ 1 x DisplayPort
	◆ 1 x HDMI port
	◆ 4 x USB 2.0/1.1 ports
	◆ 1 x PS/2 keyboard/mouse port
	◆ 1 x USB 3.2 Gen 2 Type-A port (red)
	◆ 1 x USB Type-C® port, with USB 3.2 Gen 2 support
	◆ 1 x Q-Flash Plus button
	◆ 1 x RJ-45 port
	◆ 2 x USB 3.2 Gen 1 ports
	◆ 3 x audio jacks
I/O Controller	◆ iTE® I/O Controller Chip
Hardware Monitor	◆ Voltage detection
	◆ Temperature detection
	◆ Fan speed detection
	◆ Water cooling flow rate detection
	◆ Fan fail warning
	◆ Fan speed control
	* Whether the fan speed control function is supported will depend on the fan you install.

(Note) Only for PCB rev. 1.1 or later

	BIOS	◆	1 x 256 Mbit flash
		◆	Use of licensed AMI UEFI BIOS
		◆	PnP 1.0a, DMI 2.7, WfM 2.0, SM BIOS 2.7, ACPI 5.0
	Unique Features	◆	Support for GIGABYTE Control Center (GCC)
			* Available applications in GCC may vary by motherboard model. Supported functions of each application may also vary depending on motherboard specifications.
		◆	Support for Q-Flash
		◆	Support for Q-Flash Plus
	Bundled Software	◆	Norton® Internet Security (OEM version)
		◆	LAN bandwidth management software
	Operating System	◆	Support for Windows 11 64-bit
		◆	Support for Windows 10 64-bit
	Form Factor	◆	Micro ATX Form Factor; 24.4cm x 24.4cm

* GIGABYTE reserves the right to make any changes to the product specifications and product-related information without prior notice.

☞ Please visit the **SERVICE/SUPPORT\Utility** page on GIGABYTE's website to download the latest version of apps.
https://www.gigabyte.com/Support/Utility/Motherboard?m=ut