1-2   Product Specifications

CPU	◆ AMD Socket AM4, support for: 3rd Generation AMD Ryzen™ processors/ 3rd Generation AMD Ryzen™ with Radeon™ Graphics processors (Go to GIGABYTE's website for the latest CPU support list.)
Chipset	◆ AMD B550
Memory	◆ 2 x DDR4 DIMM sockets supporting up to 64 GB (32 GB single DIMM capacity) of system memory ◆ Support for DDR4 3200/2933/2667/2400/2133 MHz memory modules ◆ Dual channel memory architecture ◆ Support for ECC Un-buffered DIMM 1Rx8/2Rx8 memory modules ◆ Support for non-ECC Un-buffered DIMM 1Rx8/2Rx8/1Rx16 memory modules ◆ Support for Extreme Memory Profile (XMP) memory modules (Go to GIGABYTE's website for the latest supported memory speeds and memory modules.)

Onboard Graphics	◆ Integrated in the 3rd Generation AMD Ryzen™ with Radeon™ Graphics processors:
	- 1 x D-Sub port, supporting a maximum resolution of 1920x1200@60 Hz
	- 1 x DVI-D port, supporting a maximum resolution of 1920x1200@60 Hz
	   * The DVI-D port does not support D-Sub connection by adapter.
	- 1 x HDMI port, supporting a maximum resolution of 4096x2160@60 Hz
	   * Support for HDMI 2.1 version, HDCP 2.3, and HDR.
	◆ Support for up to 3 displays at the same time
	◆ Maximum shared memory of 16 GB

Audio	◆ Realtek® ALC887 codec ◆ High Definition Audio ◆ 2/4/5.1/7.1-channel * To configure 7.1-channel audio, you need to open the audio software and select Device advanced settings > Playback Device to change the default setting first. Please visit GIGABYTE's website for details on configuring the audio software.
LAN	◆ Realtek® GbE LAN chip (1000 Mbit/100 Mbit)
Expansion Slots	◆ 1 x PCI Express x16 slot, integrated in the CPU: - 3rd Generation AMD Ryzen™ processors support PCIe 4.0 x16 mode - 3rd Generation AMD Ryzen™ with Radeon™ Graphics processors support PCIe 3.0 x16 mode ◆ 2 x PCI Express x1 slots (PCIEX1_1, PCIEX1_2), integrated in the Chipset: - Supporting PCIe 3.0 x1 mode
Storage Interface	◆ 1 x M.2 connector, integrated in the CPU, supporting Socket 3, M key, type 2242/2260/2280 SSDs: - 3rd Generation AMD Ryzen™ processors support SATA and PCIe 4.0 x4/x2 SSDs - 3rd Generation AMD Ryzen™ with Radeon™ Graphics processors support SATA and PCIe 3.0 x4/x2 SSDs ◆ 4 x SATA 6Gb/s connectors, integrated in the Chipset: - Support for RAID 0, RAID 1, and RAID 10

USB	◆	Integrated in the CPU:
		- 4 x USB 3.2 Gen 1 ports on the back panel
	◆	Chipset:
		- 2 x USB 3.2 Gen 1 ports available through the internal USB headers
		- 4 x USB 2.0/1.1 ports (2 ports on the back panel, 2 ports available through the internal USB headers)
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
	◆	1 x RGB LED strip header
	◆	1 x M.2 Socket 3 connector
	◆	4 x SATA 6Gb/s connectors
	◆	1 x front panel header
	◆	1 x front panel audio header
	◆	1 x speaker header
	◆	1 x USB 3.2 Gen 1 header
	◆	1 x USB 2.0/1.1 header
	◆	1 x Trusted Platform Module (TPM) header (2x6 pin, for the GC-TPM2.0_S module only)
	◆	1 x serial port header
	◆	1 x chassis intrusion header
	◆	1 x Clear CMOS jumper
Back Panel Connectors	◆	1 x PS/2 keyboard/mouse port
	◆	1 x D-Sub port
	◆	1 x DVI-D port
	◆	1 x HDMI port
	◆	4 x USB 3.2 Gen 1 ports
	◆	2 x USB 2.0/1.1 ports
	◆	1 x RJ-45 port
	◆	3 x audio jacks
I/O Controller	◆	iTE® I/O Controller Chip
Hardware Monitor	◆	Voltage detection
	◆	Temperature detection
	◆	Fan speed detection
	◆	Overheating warning
	◆	Fan fail warning
	◆	Fan speed control
		* Whether the fan speed control function is supported will depend on the cooler you install.
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 APP Center
		* Available applications in APP Center may vary by motherboard model. Supported functions of each application may also vary depending on motherboard specifications.
		- @BIOS
		- EasyTune
		- Fast Boot
		- Game Boost
		- ON/OFF Charge
		- RGB Fusion
		- Smart Backup
		- System Information Viewer
	◆	Support for Q-Flash Plus
	◆	Support for Q-Flash
	◆	Support for Xpress Install
Bundled Software	◆ ◆	Norton® Internet Security (OEM version) Realtek® 8118 Gaming LAN Bandwidth Control Utility
Operating System	◆	Support for Windows 10 64-bit
Form Factor	◆	Micro ATX Form Factor; 24.4cm x 20.5cm

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

Please visit GIGABYTE's website for support lists of CPU, memory modules, SSDs, and M.2 devices.

Please visit the **Support\Utility List** page on GIGABYTE's website to download the latest version of apps.