



















1-2 Product Specifications

 CPU	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> AMD B550
 Memory	<ul style="list-style-type: none"> 4 x DDR4 DIMM sockets supporting up to 128 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	<ul style="list-style-type: none"> Integrated in the 3rd Generation AMD Ryzen™ with Radeon™ Graphics processors: <ul style="list-style-type: none"> 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. Maximum shared memory of 16 GB
 Audio	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Realtek® GbE LAN chip (1000 Mbit/100 Mbit)
 Expansion Slots	<ul style="list-style-type: none"> 1 x PCI Express x16 slot (PCIEX16), integrated in the CPU: <ul style="list-style-type: none"> 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 * For optimum performance, if only one PCI Express graphics card is to be installed, be sure to install it in the PCIEX16 slot. 1 x PCI Express x16 slot (PCIEX4), integrated in the Chipset: <ul style="list-style-type: none"> Supporting PCIe 3.0 x4 mode 1 x PCI Express x1 slot (PCIEX1), integrated in the Chipset: <ul style="list-style-type: none"> Supporting PCIe 3.0 x1 mode

	Storage Interface	<ul style="list-style-type: none"> ♦ 1 x M.2 connector (M2A_CPU), integrated in the CPU, supporting Socket 3, M key, type 2242/2260/2280/22110 SSDs: <ul style="list-style-type: none"> - 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 ♦ 1 x M.2 connector (M2B_SB), integrated in the Chipset, supporting Socket 3, M key, type 2242/2260/2280 SSDs: <ul style="list-style-type: none"> - Supporting SATA and PCIe 3.0 x2 SSDs ♦ 4 x SATA 6Gb/s connectors, integrated in the Chipset: <ul style="list-style-type: none"> - Support for RAID 0, RAID 1, and RAID 10
	USB	<ul style="list-style-type: none"> ♦ CPU: <ul style="list-style-type: none"> - 4 x USB 3.2 Gen 1 ports on the back panel ♦ Chipset: <ul style="list-style-type: none"> - 2 x USB 3.2 Gen 1 ports available through the internal USB header - 6 x USB 2.0/1.1 ports (4 ports on the back panel, 2 ports available through the internal USB header)
	Internal Connectors	<ul style="list-style-type: none"> ♦ 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 ♦ 2 x addressable LED strip headers ♦ 2 x RGB LED strip headers ♦ 1 x CPU cooler LED strip/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 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 Clear CMOS jumper ♦ 1 x Q-Flash Plus button
	Back Panel Connectors	<ul style="list-style-type: none"> ♦ 1 x PS/2 keyboard/mouse port ♦ 1 x DVI-D port ♦ 1 x HDMI port ♦ 4 x USB 3.2 Gen 1 ports ♦ 4 x USB 2.0/1.1 ports ♦ 1 x RJ-45 port ♦ 3 x audio jacks
	I/O Controller	<ul style="list-style-type: none"> ♦ iTE® I/O Controller Chip

 Hardware Monitor	<ul style="list-style-type: none"> ◆ Voltage detection ◆ Temperature detection ◆ Fan speed detection ◆ Overheating warning ◆ Fan fail warning ◆ Fan speed control <p>* Whether the fan speed control function is supported will depend on the cooler you install.</p>
 BIOS	<ul style="list-style-type: none"> ◆ 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	<ul style="list-style-type: none"> ◆ Support for APP Center <ul style="list-style-type: none"> * 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	<ul style="list-style-type: none"> ◆ Norton® Internet Security (OEM version) ◆ Realtek® 8118 Gaming LAN Bandwidth Control Utility
 Operating System	<ul style="list-style-type: none"> ◆ Support for Windows 10 64-bit
 Form Factor	<ul style="list-style-type: none"> ◆ 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 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.