



















1-2 Product Specifications

	CPU	<ul style="list-style-type: none"> AMD Socket AM4, support for: <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> * The DVI-D port does not support D-Sub connection by adapter. 1 x HDMI port, supporting a maximum resolution of 4096x2160@60 Hz <ul style="list-style-type: none"> * 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 <ul style="list-style-type: none"> * 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 (PCIEX2), integrated in the Chipset: <ul style="list-style-type: none"> Supporting PCIe 3.0 x2 mode 3 x PCI Express x1 slots (PCIEX1_1, PCIEX1_2, PCIEX1_3), 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 2242/2260/2280/22110 SSDs: <ul style="list-style-type: none"> Supporting SATA and PCIe 3.0 x4/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"> - 1 x USB 3.2 Gen 2 Type-A port (red) on the back panel - 3 x USB 3.2 Gen 1 ports on the back panel ◆ Chipset: <ul style="list-style-type: none"> - 1 x USB Type-C™ port with USB 3.2 Gen 1 support, available through the internal USB header - 2 x USB 3.2 Gen 1 ports available through the internal USB header - 6 x USB 2.0/1.1 ports (2 ports on the back panel, 4 ports available through the internal USB headers)
	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 ◆ 1 x water cooling CPU fan header ◆ 3 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 Type-C™ port, with USB 3.2 Gen 1 support ◆ 1 x USB 3.2 Gen 1 header ◆ 2 x USB 2.0/1.1 headers ◆ 1 x Trusted Platform Module (TPM) header (2x6 pin, for the GC-TPM2.0_S module only) ◆ 1 x Clear CMOS jumper
	Back Panel Connectors	<ul style="list-style-type: none"> ◆ 2 x USB 2.0/1.1 ports ◆ 1 x PS/2 keyboard/mouse port ◆ 1 x DVI-D port ◆ 1 x HDMI port ◆ 3 x USB 3.2 Gen 1 ports ◆ 1 x USB 3.2 Gen 2 Type-A port (red) ◆ 1 x Q-Flash Plus button ◆ 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 ◆ Water cooling flow rate 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"> ◆ ATX Form Factor; 30.5cm 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 **SupportUtility List** page on GIGABYTE's website to download the latest version of apps.