



















## 2-2 Product Specifications

	CPU	<ul style="list-style-type: none"> <li>◆ AMD Socket AM4, support for:               <ul style="list-style-type: none"> <li>AMD Ryzen™ 5000 G-Series Processors/</li> <li>AMD Ryzen™ 5000 Series Processors/</li> <li>AMD Ryzen™ 4000 G-Series Processors/</li> <li>AMD Ryzen™ 3000 Series Processors</li> </ul>               (Go to GIGABYTE's website for the latest CPU support list.)             </li> </ul>
	Chipset	<ul style="list-style-type: none"> <li>◆ AMD B550</li> </ul>
	Memory	<ul style="list-style-type: none"> <li>◆ 4 x DDR4 DIMM sockets supporting up to 128 GB (32 GB single DIMM capacity) of system memory</li> <li>◆ Support for DDR4 3200/2933/2667/2400/2133 MT/s memory modules</li> <li>◆ Dual channel memory architecture</li> <li>◆ Support for ECC Un-buffered DIMM 1Rx8/2Rx8 memory modules</li> <li>◆ Support for non-ECC Un-buffered DIMM 1Rx8/2Rx8/1Rx16 memory modules</li> <li>◆ Support for Extreme Memory Profile (XMP) memory modules</li> </ul> (Go to GIGABYTE's website for the latest supported memory speeds and memory modules.)
	Onboard Graphics	<ul style="list-style-type: none"> <li>◆ Integrated Graphics Processor:               <ul style="list-style-type: none"> <li>- 1 x DisplayPort, supporting a maximum resolution of 5120x2880@60 Hz                   <ul style="list-style-type: none"> <li>* Support for DisplayPort 1.4 version, HDCP 2.3, and HDR.</li> </ul> </li> <li>- 1 x HDMI port, supporting a maximum resolution of 4096x2160@60 Hz                   <ul style="list-style-type: none"> <li>* Support for HDMI 2.1 version, HDCP 2.3, and HDR.</li> </ul> </li> </ul> </li> <li>◆ Maximum shared memory of 16 GB</li> </ul>
	Audio	<ul style="list-style-type: none"> <li>◆ Realtek® Audio CODEC</li> <li>◆ High Definition Audio</li> <li>◆ 2/4/5.1/7.1-channel               <ul style="list-style-type: none"> <li>* 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.</li> </ul> </li> </ul>
	LAN	<ul style="list-style-type: none"> <li>◆ Realtek® GbE LAN chip (1 Gbps/100 Mbps)</li> </ul>
	Expansion Slots	<ul style="list-style-type: none"> <li>◆ 1 x PCI Express x16 slot, integrated in the CPU:               <ul style="list-style-type: none"> <li>- AMD Ryzen™ 5000 Series/3000 Series Processors support PCIe 4.0 x16 mode</li> <li>- AMD Ryzen™ 5000 G-Series/4000 G-Series Processors support PCIe 3.0 x16 mode</li> </ul> </li> <li>◆ 1 x PCI Express x1 slot, integrated in the Chipset:               <ul style="list-style-type: none"> <li>- Supporting PCIe 3.0 x1 mode</li> </ul> </li> </ul>
	Storage Interface	<ul style="list-style-type: none"> <li>◆ 1 x M.2 connector (M2A_CPU), integrated in the CPU, supporting Socket 3, M key, type 2280 SSDs:               <ul style="list-style-type: none"> <li>- AMD Ryzen™ 5000 Series/3000 Series Processors support SATA and PCIe 4.0 x4/x2 SSDs</li> <li>- AMD Ryzen™ 5000 G-Series/4000 G-Series Processors support SATA and PCIe 3.0 x4/x2 SSDs</li> </ul> </li> <li>◆ 1 x M.2 connector (M2B_SB), integrated in the Chipset, supporting Socket 3, M key, type 2280 SSDs:               <ul style="list-style-type: none"> <li>- Supporting PCIe 3.0 x2 SSDs</li> </ul> </li> <li>◆ 4 x SATA 6Gb/s connectors, integrated in the Chipset:               <ul style="list-style-type: none"> <li>- Support for RAID 0, RAID 1, and RAID 10</li> </ul> </li> </ul>

	USB	<ul style="list-style-type: none"> <li>◆ CPU: <ul style="list-style-type: none"> <li>- 4 x USB 3.2 Gen 1 ports on the back panel</li> </ul> </li> <li>◆ Chipset: <ul style="list-style-type: none"> <li>- 2 x USB 3.2 Gen 1 ports available through the internal USB header</li> <li>- 6 x USB 2.0/1.1 ports (4 ports on the back panel, 2 ports available through the internal USB header)</li> </ul> </li> </ul>
	Internal Connectors	<ul style="list-style-type: none"> <li>◆ 1 x 24-pin ATX main power connector</li> <li>◆ 1 x 8-pin ATX 12V power connector</li> <li>◆ 1 x CPU fan header</li> <li>◆ 1 x system fan header</li> <li>◆ 2 x M.2 Socket 3 connectors</li> <li>◆ 4 x SATA 6Gb/s connectors</li> <li>◆ 1 x front panel header</li> <li>◆ 1 x front panel audio header</li> <li>◆ 1 x USB 3.2 Gen 1 header</li> <li>◆ 1 x USB 2.0/1.1 header</li> <li>◆ 1 x Trusted Platform Module (TPM) header (2x6 pin, for the GC-TPM2.0_S module only)</li> <li>◆ 1 x Clear CMOS jumper</li> </ul>
	Back Panel Connectors	<ul style="list-style-type: none"> <li>◆ 1 x PS/2 keyboard/mouse port</li> <li>◆ 1 x DisplayPort</li> <li>◆ 1 x HDMI port</li> <li>◆ 4 x USB 3.2 Gen 1 ports</li> <li>◆ 4 x USB 2.0/1.1 ports</li> <li>◆ 1 x RJ-45 port</li> <li>◆ 3 x audio jacks</li> </ul>
	I/O Controller	<ul style="list-style-type: none"> <li>◆ iTE® I/O Controller Chip</li> </ul>
	Hardware Monitor	<ul style="list-style-type: none"> <li>◆ Voltage detection</li> <li>◆ Temperature detection</li> <li>◆ Fan speed detection</li> <li>◆ Fan fail warning</li> <li>◆ Fan speed control <ul style="list-style-type: none"> <li>* Whether the fan speed control function is supported will depend on the cooler you install.</li> </ul> </li> </ul>
	BIOS	<ul style="list-style-type: none"> <li>◆ 1 x 128 Mbit flash</li> <li>◆ Use of licensed AMI UEFI BIOS</li> <li>◆ PnP 1.0a, DMI 2.7, WfM 2.0, SM BIOS 2.7, ACPI 5.0</li> </ul>
	Unique Features	<ul style="list-style-type: none"> <li>◆ Support for APP Center <ul style="list-style-type: none"> <li>* Available applications in APP Center may vary by motherboard model. Supported functions of each application may also vary depending on motherboard specifications.</li> <li>- @BIOS</li> <li>- EasyTune</li> <li>- Smart Backup</li> <li>- System Information Viewer</li> </ul> </li> <li>◆ Support for Q-Flash</li> <li>◆ Support for Xpress Install</li> </ul>

 Bundled Software	<ul style="list-style-type: none"> <li>◆ Norton® Internet Security (OEM version)</li> <li>◆ LAN bandwidth management software</li> </ul>
 Operating System	<ul style="list-style-type: none"> <li>◆ Support for Windows 11 64-bit</li> <li>◆ Support for Windows 10 64-bit</li> </ul>
 Form Factor	<ul style="list-style-type: none"> <li>◆ Micro ATX Form Factor; 24.4cm x 24.4cm</li> </ul>

\* 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.  
<https://www.gigabyte.com/Motherboard/B550M-K-rev-10?m=dl#support-dl>

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