








## 2-2 Product Specifications





	CPU	<ul style="list-style-type: none"> <li>◆ LGA1700 socket: Support for the 13th and 12th Generation Intel® Core™, Pentium® Gold and Celeron® Processors (Go to GIGABYTE's website for the latest CPU support list.)</li> <li>◆ L3 cache varies with CPU</li> </ul>
	Chipset	<ul style="list-style-type: none"> <li>◆ Intel® B760 Express Chipset</li> </ul>
	Memory	<ul style="list-style-type: none"> <li>◆ Support for DDR5 5600/5200/4800/4400 MT/s memory modules<sup>① ②</sup></li> <li>◆ Support for DDR4 3200/3000/2933/2666/2400/2133 MT/s memory modules<sup>③ ④</sup></li> <li>◆ 4 x DDR DIMM sockets supporting up to 128 GB (32 GB single DIMM capacity) of system memory</li> <li>◆ Dual channel memory architecture</li> <li>◆ Support for ECC Un-buffered DIMM 1Rx8/2Rx8 memory modules (operate in non-ECC mode)</li> <li>◆ Support for non-ECC Un-buffered DIMM 1Rx8/2Rx8/1Rx16 memory modules</li> <li>◆ Support for Extreme Memory Profile (XMP) memory modules (Go to GIGABYTE's website for the latest supported memory speeds and memory modules.)</li> </ul>
	Onboard Graphics	<ul style="list-style-type: none"> <li>◆ Integrated Graphics Processor-Intel® HD Graphics support: <ul style="list-style-type: none"> <li>- 1 x HDMI port, supporting a maximum resolution of 4096x2160@60 Hz * Support for HDMI 2.0 version and HDCP 2.3.</li> <li>- 1 x DisplayPort, supporting a maximum resolution of 4096x2304@60 Hz * Support for DisplayPort 1.2 version and HDCP 2.3</li> </ul> </li> </ul> <p>(Graphics specifications may vary depending on CPU support.)</p>
	Audio	<ul style="list-style-type: none"> <li>◆ Realtek® Audio CODEC</li> <li>◆ High Definition Audio</li> <li>◆ 2/4/5/17.1-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> <li>◆ Support for S/PDIF Out</li> </ul>
	LAN	<ul style="list-style-type: none"> <li>◆ Realtek® 2.5GbE LAN chip (2.5 Gbps/1 Gbps/100 Mbps)</li> </ul>
	Wireless Communication Module <sup>①</sup>	<ul style="list-style-type: none"> <li>◆ Intel® Wi-Fi 6E AX210 (PCB rev. 1.0) <ul style="list-style-type: none"> <li>- WIFI a, b, g, n, ac, ax, supporting 2.4/5/6 GHz carrier frequency bands</li> <li>- BLUETOOTH 5.3</li> <li>- Support for 11ax 160MHz wireless standard and up to 2.4 Gbps data rate</li> </ul> </li> <li>◆ Intel® Wi-Fi 6E AX211 (PCB rev. 1.1) <ul style="list-style-type: none"> <li>- WIFI a, b, g, n, ac, ax, supporting 2.4/5/6 GHz carrier frequency bands</li> <li>- BLUETOOTH 5.3</li> <li>- Support for 11ax 160MHz wireless standard and up to 2.4 Gbps data rate</li> </ul> </li> <li>◆ Realtek® Wi-Fi 6E RTL8852CE (PCB rev. 1.2) <ul style="list-style-type: none"> <li>- WIFI a, b, g, n, ac, ax, supporting 2.4/5/6 GHz carrier frequency bands</li> <li>- BLUETOOTH 5.3</li> <li>- Support for 11ax 160MHz wireless standard and up to 2.4 Gbps data rate</li> </ul> </li> </ul> <p>(Actual data rate may vary depending on environment and equipment.)</p>

① Only for B760M GAMING X AX.





② Only for B760M GAMING X.

③ Only for B760M GAMING X AX DDR4.






④ Only for B760M GAMING X DDR4.

	<b>Wireless Communication Module</b> <sup>③</sup>	<ul style="list-style-type: none"> <li>◆ AMD Wi-Fi 6E RZ608 (MT7921K) (PCB rev. 1.0) <ul style="list-style-type: none"> <li>- WIFI a, b, g, n, ac, ax, supporting 2.4/5/6 GHz carrier frequency bands</li> <li>- BLUETOOTH 5.2</li> <li>- Support for 11ax 80MHz wireless standard and up to 1.2 Gbps data rate</li> </ul> </li> <li>◆ Intel® Wi-Fi 6E AX210 (PCB rev. 1.1) <ul style="list-style-type: none"> <li>- WIFI a, b, g, n, ac, ax, supporting 2.4/5/6 GHz carrier frequency bands</li> <li>- BLUETOOTH 5.3</li> <li>- Support for 11ax 160MHz wireless standard and up to 2.4 Gbps data rate</li> </ul> </li> <li>◆ Intel® Wi-Fi 6E AX211 (PCB rev. 1.2) <ul style="list-style-type: none"> <li>- WIFI a, b, g, n, ac, ax, supporting 2.4/5/6 GHz carrier frequency bands</li> <li>- BLUETOOTH 5.3</li> <li>- Support for 11ax 160MHz wireless standard and up to 2.4 Gbps data rate</li> </ul> </li> <li>◆ Realtek® Wi-Fi 6E RTL8852CE (PCB rev. 1.3) <ul style="list-style-type: none"> <li>- WIFI a, b, g, n, ac, ax, supporting 2.4/5/6 GHz carrier frequency bands</li> <li>- BLUETOOTH 5.3</li> <li>- Support for 11ax 160MHz wireless standard and up to 2.4 Gbps data rate</li> </ul> </li> </ul> <p>(Actual data rate may vary depending on environment and equipment.)</p>
	<b>Expansion Slots</b>	<ul style="list-style-type: none"> <li>◆ CPU: <ul style="list-style-type: none"> <li>- 1 x PCI Express x16 slot, supporting PCIe 4.0 and running at x16 (PCIEX16)</li> <li>* For optimum performance, if only one PCI Express graphics card is to be installed, be sure to install it in the PCIEX16 slot.</li> </ul> </li> <li>◆ Chipset: <ul style="list-style-type: none"> <li>- 1 x PCI Express x16 slot, supporting PCIe 3.0 and running at x4 (PCIEX4)</li> </ul> </li> </ul>
	<b>Storage Interface</b>	<ul style="list-style-type: none"> <li>◆ CPU: <ul style="list-style-type: none"> <li>- 1 x M.2 connector (Socket 3, M key, type 2280 PCIe 4.0 x4/x2 SSD support) (M2A_CPU)</li> </ul> </li> <li>◆ Chipset: <ul style="list-style-type: none"> <li>- 1 x M.2 connector (Socket 3, M key, type 22110/2280 PCIe 4.0 x4/x2 SSD support) (M2P_SB)</li> <li>- 4 x SATA 6Gb/s connectors</li> </ul> </li> <li>◆ RAID 0, RAID 1, RAID 5, and RAID 10 support for SATA storage devices</li> </ul>
	<b>USB</b>	<ul style="list-style-type: none"> <li>◆ Chipset: <ul style="list-style-type: none"> <li>- 1 x USB Type-C® port with USB 3.2 Gen 2 support, available through the internal USB header</li> <li>- 5 x USB 3.2 Gen 1 ports (3 ports on the back panel, 2 ports available through the internal USB header)</li> <li>- 1 x USB 2.0/1.1 port on the back panel</li> </ul> </li> <li>◆ Chipset+2 USB 2.0 Hubs: <ul style="list-style-type: none"> <li>- 8 x USB 2.0/1.1 ports (4 ports on the back panel, 4 ports available through the internal USB headers)</li> </ul> </li> </ul>

③ Only for B760M GAMING X AX DDR4.

	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>◆ 3 x system fan headers</li> <li>◆ 2 x addressable LED strip headers</li> <li>◆ 2 x RGB LED strip headers</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 S/PDIF Out header</li> <li>◆ 1 x USB Type-C® header, with USB 3.2 Gen 2 support</li> <li>◆ 1 x USB 3.2 Gen 1 header</li> <li>◆ 2 x USB 2.0/1.1 headers</li> <li>◆ 2 x Thunderbolt™ add-in card connectors</li> <li>◆ 1 x Trusted Platform Module header (For the GC-TPM2.0 SPI/GC-TPM2.0 SPI 2.0 module only)</li> <li>◆ 1 x serial port header</li> <li>◆ 1 x reset button③④</li> <li>◆ 1 x Q-Flash Plus button</li> <li>◆ 1 x reset jumper</li> <li>◆ 1 x Clear CMOS jumper</li> </ul>
	Back Panel Connectors	<ul style="list-style-type: none"> <li>◆ 3 x USB 3.2 Gen 1 ports</li> <li>◆ 5 x USB 2.0/1.1 ports</li> <li>◆ 2 x SMA antenna connectors (2T2R)①③</li> <li>◆ 1 x HDMI 2.0 port</li> <li>◆ 1 x DisplayPort</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>◆ Water cooling flow rate detection</li> <li>◆ Fan fail warning</li> <li>◆ Fan speed control</li> </ul> <p style="text-align: right; margin-right: 20px;">* Whether the fan speed control function is supported will depend on the fan you install.</p>

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 BIOS	<ul style="list-style-type: none"> <li>◆ 1 x 256 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 GIGABYTE Control Center (GCC) <ul style="list-style-type: none"> <li>* Available applications in GCC may vary by motherboard model. Supported functions of each application may also vary depending on motherboard specifications.</li> </ul> </li> <li>◆ Support for Q-Flash</li> <li>◆ Support for Q-Flash Plus</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/B760M-GAMING-X-AX-rev-10?m=dl#support-dl>

<https://www.gigabyte.com/Motherboard/B760M-GAMING-X-rev-10?m=dl#support-dl>

<https://www.gigabyte.com/Motherboard/B760M-GAMING-X-AX-DDR4-rev-10?m=dl#support-dl>

<https://www.gigabyte.com/Motherboard/B760M-GAMING-X-DDR4-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>