







2-2 Product Specifications





 CPU	<ul style="list-style-type: none"> • 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.) • L3 cache varies with CPU
 Chipset	<ul style="list-style-type: none"> • Intel® B760 Express Chipset
 Memory	<ul style="list-style-type: none"> • 13th Generation Intel® Core™ i9/i7 Processors: <ul style="list-style-type: none"> - Support for DDR5 5600/5200/4800/4400 MT/s memory modules ① ② • 13th Generation Intel® Core™ i5/i3 and 12th Generation Intel® Core™, Pentium® Gold and Celeron® Processors: <ul style="list-style-type: none"> - Support for DDR5 4800/4400 MT/s memory modules ① ② • Support for DDR4 3200/3000/2933/2666/2400/2133 MT/s memory modules ③ ④ • 4 x DDR5 DIMM sockets supporting up to 192 GB (48 GB single DIMM capacity) of system memory ① ② • 4 x DDR4 DIMM sockets supporting up to 128 GB (32 GB single DIMM capacity) of system memory ③ ④ • Dual channel memory architecture • Support for ECC Un-buffered DIMM 1Rx8/2Rx8 memory modules (operate in non-ECC mode) • Support for non-ECC Un-buffered DIMM 1Rx8/2Rx8/1Rx16 memory modules • Support for Extreme Memory Profile (XMP) memory modules (The CPU and memory configuration may affect the supported memory types, data rate (speed), and number of DRAM modules, please refer to "Memory Support List" on GIGABYTE's website for more information.)
 Onboard Graphics	<ul style="list-style-type: none"> • Integrated Graphics Processor-Intel® HD Graphics support: <ul style="list-style-type: none"> - 1 x D-Sub port, supporting a maximum resolution of 1920x1200@60 Hz ② ④ - 1 x HDMI port, supporting a maximum resolution of 4096x2160@60 Hz * Support for HDMI 2.0 version and HDCP 2.3. - 1 x DisplayPort, supporting a maximum resolution of 4096x2304@60 Hz * Support for DisplayPort 1.2 version and HDCP 2.3 - 1 x DisplayPort, supporting a maximum resolution of 4096x2304@60 Hz * Support for DisplayPort 1.2 version. (Graphics specifications may vary depending on CPU support.) • Support for up to triple-display at the same time ① ③ • Support for up to quad-display at the same time ② ④
 Audio	<ul style="list-style-type: none"> • Realtek® Audio CODEC • High Definition Audio • 2/4/5.1/7.1-channel * 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. • Support for S/PDIF Out
 LAN	<ul style="list-style-type: none"> • Realtek® 2.5GbE LAN chip (2.5 Gbps/1 Gbps/100 Mbps)

① Only for B760M DS3H AX.

② Only for B760M DS3H.

③ Only for B760M DS3H AX DDR4.

④ Only for B760M DS3H DDR4.

	Wireless Communication Module①③	<ul style="list-style-type: none"> ◆ AMD Wi-Fi 6E RZ608 (MT7921K) (For PCB rev. 1.0) <ul style="list-style-type: none"> - WIFI a, b, g, n, ac, ax, supporting 2.4/5/6 GHz carrier frequency bands - BLUETOOTH 5.2 - Support for 11ax 80MHz wireless standard and up to 1.2 Gbps data rate ◆ Intel® Wi-Fi 6E AX210 (For PCB rev. 1.1) <ul style="list-style-type: none"> - WIFI a, b, g, n, ac, ax, supporting 2.4/5/6 GHz carrier frequency bands - BLUETOOTH 5.3 - Support for 11ax 160MHz wireless standard and up to 2.4 Gbps data rate ◆ Intel® Wi-Fi 6E AX211 (For PCB rev. 1.2) <ul style="list-style-type: none"> - WIFI a, b, g, n, ac, ax, supporting 2.4/5/6 GHz carrier frequency bands - BLUETOOTH 5.3 - Support for 11ax 160MHz wireless standard and up to 2.4 Gbps data rate ◆ Realtek® Wi-Fi 6E RTL8852CE (For PCB rev. 1.3) <ul style="list-style-type: none"> - WIFI a, b, g, n, ac, ax, supporting 2.4/5/6 GHz carrier frequency bands - BLUETOOTH 5.3 - Support for 11ax 160MHz wireless standard and up to 2.4 Gbps data rate <p>(Actual data rate may vary depending on environment and equipment.)</p>
	Expansion Slots	<ul style="list-style-type: none"> ◆ CPU: <ul style="list-style-type: none"> - 1 x PCI Express x16 slot, supporting PCIe 4.0 and running at x16 ◆ Chipset: <ul style="list-style-type: none"> - 2 x PCI Express x1 slots, supporting PCIe 3.0 and running at x1
	Storage Interface	<ul style="list-style-type: none"> ◆ CPU: <ul style="list-style-type: none"> - 1 x M.2 connector (Socket 3, M key, type 2280 PCIe 4.0 x4/x2 SSD support) (M2A_CPU) ◆ Chipset: <ul style="list-style-type: none"> - 1 x M.2 connector (Socket 3, M key, type 2280 PCIe 4.0 x4/x2 SSD support) (M2P_SB) - 4 x SATA 6Gb/s connectors ◆ RAID 0, RAID 1, RAID 5, and RAID 10 support for SATA storage devices
	USB	<ul style="list-style-type: none"> ◆ Chipset: <ul style="list-style-type: none"> - 1 x USB Type-C® port on the back panel, with USB 3.2 Gen 2 support - 5 x USB 3.2 Gen 1 ports (3 ports on the back panel, 2 ports available through the internal USB header) - 2 x USB 2.0/1.1 ports on the back panel ◆ Chipset+USB 2.0 Hub: <ul style="list-style-type: none"> - 4 x USB 2.0/1.1 ports available through the internal USB headers

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④ Only for B760M DS3H DDR4.





	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 ♦ 3 x system fan headers ♦ 1 x addressable LED strip header ♦ 1 x 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 ♦ 2 x USB 2.0/1.1 headers ♦ 1 x Trusted Platform Module header (For the GC-TPM2.0 SPI/GC-TPM2.0 SPI 2.0 module only) ♦ 1 x serial port header ② ④ ♦ 1 x parallel port header ② ④ ♦ 1 x S/PDIF Out header ♦ 1 x Q-Flash Plus button ♦ 1 x reset button ③ ④ ♦ 1 x reset jumper ♦ 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 ♦ 2 x SMA antenna connectors (2T2R) ① ③ ♦ 1 x D-Sub port ② ④ ♦ 1 x HDMI port ♦ 2 x DisplayPorts ♦ 3 x USB 3.2 Gen 1 ports ♦ 1 x USB Type-C® port, with USB 3.2 Gen 2 support ♦ 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 ♦ 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 128 Mbit flash ♦ Use of licensed AMI UEFI BIOS ♦ PnP 1.0a, DMI 2.7, WfM 2.0, SM BIOS 2.7, ACPI 5.0

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③ Only for B760M DS3H AX DDR4.

④ Only for B760M DS3H DDR4.

	Unique Features <ul style="list-style-type: none"> Support for GIGABYTE Control Center (GCC) <ul style="list-style-type: none"> * Available applications in GCC may vary by motherboard model. Supported functions of each application may also vary depending on motherboard specifications. Support for Q-Flash Support for Q-Flash Plus
	Bundled Software <ul style="list-style-type: none"> Norton® Internet Security (OEM version) LAN bandwidth management software
	Operating System <ul style="list-style-type: none"> Support for Windows 11 64-bit 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.

<https://www.gigabyte.com/Motherboard/B760M-DS3H-AX-rev-10?m=dl#support-dl>

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<https://www.gigabyte.com/Motherboard/B760M-DS3H-AX-DDR4-rev-10?m=dl#support-dl>

<https://www.gigabyte.com/Motherboard/B760M-DS3H-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>