












2-2 Product Specifications

	CPU	<ul style="list-style-type: none"> ◆ LGA1700 socket: Support for 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® B660 Express Chipset
	Memory	<ul style="list-style-type: none"> ◆ Support for DDR4 3200/3000/2933/2666/2400/2133 MHz memory modules ◆ 4 x DDR4 DIMM sockets supporting up to 128 GB (32 GB single DIMM capacity) of system memory ◆ 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 (Go to GIGABYTE's website for the latest supported memory speeds and memory modules.)
	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 - 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 3 displays at the same time ① ◆ Support for up to 4 displays at the same time ②
	Audio	<ul style="list-style-type: none"> ◆ Realtek® Audio 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.
	LAN	<ul style="list-style-type: none"> ◆ Realtek® 2.5GbE LAN chip (2.5 Gbps/1 Gbps/100 Mbps)
	Wireless Communication Module ①	<ul style="list-style-type: none"> ◆ Intel® Wi-Fi 6 AX201 (For PCB rev. 1.0) <ul style="list-style-type: none"> - WIFI a, b, g, n, ac, ax, supporting 2.4/5 GHz Dual-Band - BLUETOOTH 5.2 - Support for 11ax 160MHz wireless standard and up to 2.4 Gbps data rate ◆ Intel® Wi-Fi 6 AX200 (For PCB rev. 1.1) <ul style="list-style-type: none"> - WIFI a, b, g, n, ac, ax, supporting 2.4/5 GHz Dual-Band - BLUETOOTH 5.2 - 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 5.2 - 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>






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	Expansion Slots <ul style="list-style-type: none"> ◆ 1 x PCI Express x16 slot, running at x16 (The PCIEX16 slot conforms to PCI Express 4.0 standard.) ◆ 2 x PCI Express x1 slots (The PCIEX1 slots conform to PCI Express 3.0 standard.)
	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 2260/2280 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 2260/2280 PCIe 4.0 x4/x2 SSD support) (M2P_SB) - 4 x SATA 6Gb/s connectors ◆ Support for SATA RAID 0, RAID 1, RAID 5, and RAID 10 ◆ Intel® Optane™ Memory Ready <ul style="list-style-type: none"> * System acceleration with Intel® Optane™ Memory can only be enabled on the M.2 connector supported by the Chipset.
	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
	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 ① ◆ 1 x parallel port header ② ◆ 1 x S/PDIF Out header ◆ 1 x Q-Flash Plus button ◆ 1 x reset button ◆ 1 x reset jumper ◆ 1 x Clear CMOS jumper




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	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 ◆ 1 x D-Sub port ② ◆ 1 x HDMI 2.0 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 ◆ Fan fail warning ◆ Fan speed control <ul style="list-style-type: none"> * Whether the fan speed control function is supported will depend on the cooler you install.
	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

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 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.

B660M DS3H AX DDR4



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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.