2-2 Product Specifications

CPU	◆	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	◆	Intel® B660 Express Chipset
Memory	◆	Support for DDR4 3200/3000/2933/2666/2400/2133 MHz memory modules
	◆	2 x DDR4 DIMM sockets supporting up to 64 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	◆	Integrated Graphics Processor-Intel® HD Graphics support: - 1 x D-Sub port, supporting a maximum resolution of 1920x1200@60 Hz - 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 (Graphics specifications may vary depending on CPU support.)
	◆	Support for up to 3 displays at the same time
Audio	◆	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	◆	Realtek® 2.5GbE LAN chip (2.5 Gbps/1 Gbps/100 Mbps)
Wireless Communication Module①	◆	Intel® Wi-Fi AC 3168 - WIFI 802.11a/b/g/n/ac, supporting 2.4/5 GHz Dual-Band - BLUETOOTH 4.2 - Support for 11ac wireless standard and up to 433 Mbps data rate 　* Actual data rate may vary depending on environment and equipment.
Expansion Slots	◆	1 x PCI Express x16 slot, running at x16 (The PCIEX16 slot conforms to PCI Express 4.0 standard.)
	◆	1 x PCI Express x1 slot (The PCIEX1 slot conforms to PCI Express 3.0 standard.)
Storage Interface	◆	CPU: - 1 x M.2 connector (Socket 3, M key, type 2260/2280 PCIe 4.0 x4/x2 SSD support) (M2A_CPU)

① Only for B660M GAMING AC DDR4.

Storage Interface	◆	Chipset: - 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 * System acceleration with Intel® Optane™ Memory can only be enabled on the M.2 connectors supported by the Chipset.
USB	◆	Chipset: - 1 x USB Type-C® port on the back panel, with USB 3.2 Gen 1 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: - 4 x USB 2.0/1.1 ports available through the internal USB headers
Internal Connectors	◆	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 x S/PDIF Out header
	◆	1 x Q-Flash Plus button
	◆	1 x reset button
	◆	1 x reset jumper
	◆	1 x Clear CMOS jumper
Back Panel Connectors	◆	2 x USB 2.0/1.1 ports
	◆	1 x PS/2 keyboard/mouse port
	◆	2 x SMA antenna connectors (1T1R) ①
	◆	1 x D-Sub port
	◆	1 x HDMI 2.0 port
	◆	1 x DisplayPort
	◆	3 x USB 3.2 Gen 1 ports
	◆	1 x USB Type-C® port, with USB 3.2 Gen 1 support
	◆	1 x RJ-45 port
	◆	3 x audio jacks

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I/O Controller	◆	iTE® I/O Controller Chip
Hardware Monitor	◆ ◆ ◆ ◆ ◆	Voltage detection Temperature detection Fan speed detection Fan fail warning Fan speed control * Whether the fan speed control function is supported will depend on the cooler you install.
BIOS	◆ ◆ ◆	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	◆ ◆ ◆ ◆	Support for APP Center * 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	◆ ◆	Norton® Internet Security (OEM version) LAN bandwidth management software
Operating System	◆ ◆	Support for Windows 11 64-bit Support for Windows 10 64-bit
Form Factor	◆	Micro ATX Form Factor; 24.4cm x 22.5cm

* GIGABYTE reserves the right to make any changes to the product specifications and product-related information without prior notice.

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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.