












2-2 Product Specifications

	CPU	<ul style="list-style-type: none"> ◆ LGA1851 socket: Support for Intel® Core™ Ultra 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® B860 Express Chipset
	Memory	<ul style="list-style-type: none"> ◆ Support for DDR5 6400/5600 MT/s memory modules ◆ 4 x DDR5 DIMM sockets supporting up to 256 GB (64 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 (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 HDMI port, supporting a maximum resolution of 4096x2160@60 Hz <ul style="list-style-type: none"> * Support for HDMI 2.1 version and HDCP 2.3. - 2 x DisplayPort, supporting a maximum resolution of 3840x2160@144 Hz <ul style="list-style-type: none"> * Support for DisplayPort 2.1 version. (Graphics specifications may vary depending on CPU support.) ◆ Support for up to triple-display at the same time
	Audio	<ul style="list-style-type: none"> ◆ Realtek® Audio CODEC ◆ High Definition Audio ◆ 2/4/5.1/7.1-channel <ul style="list-style-type: none"> * 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.
	LAN	<ul style="list-style-type: none"> ◆ Realtek® 2.5GbE LAN chip (2.5 Gbps/1 Gbps/100 Mbps)
	Wireless Communication Module ^{① ②}	<ul style="list-style-type: none"> ◆ Intel® Wi-Fi 6E AX211 (PCB rev. 1.0/2.0) <ul style="list-style-type: none"> - WiFi a, b, g, n, ac, ax, supporting 2.4/5/6 GHz carrier frequency bands - BLUETOOTH 5.3 - Support for 11ax 160MHz wireless standard ◆ Realtek® Wi-Fi 6E RTL8852CE (PCB rev. 1.1/2.1) <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 (Actual data rate may vary depending on environment and equipment.)
	Expansion Slots	<ul style="list-style-type: none"> ◆ CPU: <ul style="list-style-type: none"> - 1 x PCI Express x16 slot, supporting PCIe 5.0 and running at x16 (PCIEX16) <ul style="list-style-type: none"> * The PCIEX16 slot can only support a graphics card or an NVMe SSD. If only one graphics card is to be installed, be sure to install it in the PCIEX16 slot. ◆ Chipset: <ul style="list-style-type: none"> - 2 x PCI Express x16 slots, supporting PCIe 4.0 and running at x1 (PCIEX1_2/3)^{① ③} - 3 x PCI Express x16 slots, supporting PCIe 4.0 and running at x1 (PCIEX1_1/2/3)^②

① Only for B860M EAGLE PLUS WIFI6E.

② Only for B860M DS3H WIFI6E.

③ Only for B860M DS3H.

	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 5.0 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) (M2N_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 with USB 3.2 Gen 1 support, available through the internal USB header - 1 x USB 3.2 Gen 2 Type-A port (red) on the back panel - 4 x USB 3.2 Gen 1 ports (2 ports on the back panel, 2 ports available through the internal USB header) - 3 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 ◆ 1 x CPU fan/water cooling pump header ◆ 1 x system fan header ◆ 1 x system fan/water cooling pump header ◆ 3 x addressable RGB Gen2 LED strip headers ◆ 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 Type-C® header, with USB 3.2 Gen 1 support ◆ 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/GC-TPM2.0 SPI V2 module only) ◆ 1 x Q-Flash Plus button ◆ 1 x reset jumper ◆ 1 x Clear CMOS jumper

	Back Panel Connectors	<ul style="list-style-type: none"> ◆ 1 x PS/2 keyboard/mouse port ◆ 1 x HDMI port ^(Note) ◆ 2 x DisplayPorts ^(Note) ◆ 1 x USB 3.2 Gen 2 Type-A port (red) ◆ 2 x USB 3.2 Gen 1 ports ◆ 3 x USB 2.0/1.1 ports ◆ 2 x antenna connectors (2T2R)①② ◆ 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 <ul style="list-style-type: none"> * Whether the fan (pump) speed control function is supported will depend on the fan (pump) 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 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 ◆ Support for Smart Backup
	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 <ul style="list-style-type: none"> * The Intel® NPU driver is only supported on Windows 11.
	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.

① Only for B860M EAGLE PLUS WIFI6E.

② Only for B860M DS3H WIFI6E.

(Note) Actual support may vary by CPU.

☞ 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>