

GIGABYTE X870 GAMING WIFI6 DDR5 AMD AM5 ATX Motherboard

Sale Price: 31800.0



PRODUCT ID: 0006950

Basic

Information

Supported CPU	AMD Socket AM5, support for AMD Ryzen 9000, 8000 & 7000 Series Processors
Chipset	AMD X870
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
Form Factor	ATX Form Factor; 30.5cm x 24.4cm
Audio	Realtek Audio CODEC High Definition Audio 2/4/5.1/7.1-channel

Expansion

Slots

PCI	1 x PCI Express x16 slot (PCIEX16), integrated in the CPU: AMD Ryzen™ 900/7000 Series Processors support PCIe 5.0 x16 mode AMD Ryzen™ 8000 Series-Phoenix 1 Processors support PCIe 4.0 x8 mode AMD Ryzen™ 8000 Series-Phoenix 2 Processors support PCIe 4.0 x4 mode * 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: - 2 x PCI Express x16 slots, supporting PCIe 3.0 and running at x1 (PCIEX1_1/2)
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Memory

Type	DDR5
Slots	4 DIMMs
Supported Memory	Support for DDR5 8000(OC) / 7800(OC) / 7600(OC) / 7200(OC) / 7000(OC) / 6800(OC) / 6666(OC) / 6600(OC) / 6400(OC) / 6200(OC) / 6000(OC) / 5600(OC) / 5200 / 4800 / 4400 MT/s memory modules Dual channel memory architecture Support for non-ECC Un-buffered DIMM 1Rx8/2Rx8/1Rx16 memory modules Support for AMD EXtended Profiles for Overclocking (AMD EXPO™) and 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.)

Information

Maximum Memory	up to 256 GB (64 GB single DIMM capacity) of system memory
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Graphics

Graphics	Integrated Graphics Processor with AMD Radeon™ Graphics support+ASMedia USB4 Controller: - 2 x USB4 USB Type-C ports, supporting USB4 and DisplayPort video outputs and a maximum resolution of 3840x2160@240 Hz * Support for DisplayPort 1.4 version and HDR. Integrated Graphics Processor with AMD Radeon™ Graphics support: - 1 x HDMI port, supporting a maximum resolution of 4096x2160@60 Hz * Support for HDMI 2.1 version, HDCP 2.3, and HDR. ** Support native HDMI 2.1 TMDS compatible ports.
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Connector & Ports

HDMI	1 x HDMI port
USB (s)	CPU+ASMedia USB4 controller: - 2 x USB4® USB Type-C® ports on the back panel CPU: - 1 x USB 3.2 Gen 2 Type-A port (red) on the back panel - 1 x USB 3.2 Gen 1 port on the back panel Chipset+2 USB 2.0 Hubs: - 8 x USB 2.0/1.1 ports (4 ports on the back panel, 4 ports available through the internal USB headers) Chipset: - 1 x USB Type-C port with USB 3.2 Gen 2x2 support, available through the internal USB header - 4 x USB 3.2 Gen 1 ports (2 ports on the back panel, 2 ports available through the internal USB header) - 4 x USB 2.0/1.1 ports available through the internal USB headers
LAN Port (s)	Realtek 2.5GbE LAN chip (2.5 Gbps/1 Gbps/100 Mbps)
Wireless Communication module	Realtek Wi-Fi 6 RTL8851BE (PCB rev. 1.0) - WIFI a, b, g, n, ac, ax, supporting 2.4/5 GHz carrier frequency bands - BLUETOOTH 5.3 - Support for 11ax 80MHz wireless standard (Actual data rate may vary depending on environment and equipment.)
Supported Storage	1 x M.2 connector (M2A_CPU), integrated in the CPU, supporting Socket 3, M key, type 25110/22110/2580/2280 SSDs: AMD Ryzen™ 9000/7000 Series Processors support PCIe 5.0 x4/x2 SSDs AMD Ryzen™ 8000 Series- Phoenix 1 Processors support PCIe 4.0 x4/x2 SSDs AMD Ryzen™ 8000 Series- Phoenix 2 Processors support PCIe 4.0 x4/x2 SSDs 1 x M.2 connector (M2C_SB), integrated in the Chipset, supporting Socket 3, M key, type 25110/22110/2580/2280 PCIe 4.0 x2 SSDs 1 x M.2 connector (M2B_SB), integrated in the Chipset, supporting Socket 3, M key, type 25110/22110/2580/2280 PCIe 4.0 x4/x2 SSDs * The M2B_SB connector shares bandwidth with the M2C_SB connector. The M2C_SB connector will become unavailable when a PCIe 4.0 x4 SSD is installed in the M2B_SB connector. 4 x SATA 6Gb/s connectors

Information

RAID	RAID 0, RAID 1, RAID 5, and RAID 10 support for NVMe SSD storage devices * RAID 5 is only available on AMD Ryzen™ 9000 Series Processors. RAID 0, RAID 1, and RAID 10 support for SATA storage devices
Audio	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.
Internal I/O Ports	1 x 24-pin ATX main power connector 1 x 8-pin ATX 12V power connector 1 x 4-pin ATX 12V power connector 1 x CPU fan header 1 x CPU fan/water cooling pump header 4 x system fan headers 3 x addressable RGB Gen2 LED strip headers 1 x RGB LED strip header 4 x SATA 6Gb/s connectors 3 x M.2 Socket 3 connectors 1 x front panel header 1 x front panel audio header 1 x USB Type-C® header, with USB 3.2 Gen 2x2 support 1 x USB 3.2 Gen 1 header 4 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 reset jumper 1 x Clear CMOS jumper Back Panel Connectors 1 x Q-Flash Plus button 2 x SMA antenna connectors (2T2R) 1 x HDMI port (Note) 2 x USB4® USB Type-C® ports (DisplayPort (Note)) 1 x USB 3.2 Gen 2 Type-A port (red) 3 x USB 3.2 Gen 1 ports 4 x USB 2.0/1.1 ports 1 x RJ-45 port 3 x audio jacks
TPM (Trusted Platform Module)	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)
Others	
Special Features	Support for GIGABYTE Control Center (GCC) * 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

Information

Bundled	Norton Internet Security (OEM version)
Software	LAN bandwidth management software

Warranty

Information

Manufacturing	3 Years
Warranty	