

GIGABYTE B650M GAMING X AX DDR5 AM5 Motherboard

Sale Price: 26000.0



PRODUCT ID: 02575

Basic Information

Supported CPU	AMD Socket AM5, support for: AMD Ryzen 8000/ 7000 Series Processors
Chipset	AMD B650
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	Micro ATX Form Factor; 24.4cm x 24.4cm
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.

Expansion Slots

PCI	1 x PCI Express x16 slot (PCIEX16), integrated in the CPU: - AMD Ryzen™ 7000 Series Processors support PCIe 4.0 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. Chipset: - 1 x PCI Express x1 slot, supporting PCIe 3.0 and running at x1 (PCIEX1)
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Memory

Type	DDR5
Slots	4 DIMMs

Basic Information

Supported Memory	8000(OC)/ 7800(OC)/ 7600(OC)/ 7200(OC)/ 7000(OC)/ 6800(OC)/ 6600(OC)/ 6400(OC)/ 6200(OC)/ 6000(OC)/ 5600(OC)/ 5200/ 4800 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 module
Maximum Memory	192GB

Graphics

Graphics	Integrated Graphics Processor with AMD Radeon™ Graphics support: - 2 x DisplayPorts, supporting a maximum resolution of 3840x2160@144 Hz * Support for DisplayPort 1.4 version - 1 x HDMI port, supporting a maximum resolution of 4096x2160@60 Hz * Support for HDMI 2.1 version and HDCP 2.3. ** Support for native HDMI 2.1 TMDS compatible ports (Graphics specifications may vary depending on CPU support.) Support for up to 3 displays at the same time
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Connector & Ports

HDMI	1x HDMI
Display Port (s)	2 x DisplayPorts
USB (s)	CPU: - 1 x USB Type-C port on the back panel, with USB 3.2 Gen 2 support - 1 x USB 3.2 Gen 2 Type-A port (red) on the back panel CPU + USB 2.0 Hub: - 4 x USB 2.0/1.1 ports on the back pane Chipset: - 1 x USB Type-C port with USB 3.2 Gen 2 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)

Basic Information

Wireless Communication module	Realtek Wi-Fi 6E RTL8852CE - 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
Supported Storage	1 x M.2 connector (M2A_CPU), integrated in the CPU, supporting Socket 3, M key, type 25110/2580 SSDs: - AMD Ryzen 7000 Series Processors support PCIe 4.0 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 (M2B_CPU), integrated in the CPU, supporting Socket 3, M key, type 25110/2580 SSDs: - AMD Ryzen 7000 Series Processors support PCIe 4.0 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 x2 SSDs 4 x SATA 6Gb/s connectors
RAID	RAID 0, RAID 1, and RAID 10 support for NVMe SSD storage devices RAID 0, RAID 1, and RAID 10 support for SATA storage devices
Audio	3 x Audio jacks

Basic Information

Internal I/O Ports

Internal I/O 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 (D_LED1)
- 1 x addressable LED strip header (D_LED2)
- 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 2 support
- 1 x USB 3.2 Gen 1 header
- 2 x USB 2.0/1.1 headers
- 1 x serial port header
- 1 x reset button
- 1 x reset jumper
- 1 x Clear CMOS jumper

Back Panel Connectors

- 4 x USB 2.0/1.1 ports
- 1 x PS/2 keyboard/mouse port
- 2 x SMA antenna connectors (2T2R)
- 2 x DisplayPorts
- 1 x HDMI port
- 1 x USB 3.2 Gen 2 Type-A port (red)
- 1 x USB Type-C® port, with USB 3.2 Gen 2 support
- 1 x Q-Flash Plus button
- 1 x RJ-45 port
- 2 x USB 3.2 Gen 1 ports
- 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

Bundled Software

- Norton Internet Security (OEM version)
- LAN bandwidth management software

Basic Information

Warranty Information

Manufacturing Warranty	3 Years
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