GIGABYTE B650M GAMING PLUS WIFI DDR5 AM5 Motherboard

Sale Price: 20800.0

PRODUCT ID: 02574

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)

Memory

Type	DDR5
Slots	4 DIMMs

Basic Information

Supported Memory	7600(OC)/ 7200(OC)/ 7000(OC)/ 6800(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
Maximum Memory	up to 256 GB (64 GB single DIMM capacity) of system memory

Graphics

Graphics	Onboard 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. Support for up to triple-display at the same time (Graphics specifications may vary depending on CPU support.)

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 1 support - 1 x USB 3.2 Gen 1 port on the back panel - 1 x USB 2.0/1.1 port on the back panel Chipset: - 2 x USB 3.2 Gen 1 ports on the back panel - 1 x USB Type-C port with USB 3.2 Gen 1 support, available through the internal USB header - 2 x USB 3.2 Gen 1 ports available through the internal USB header - 5 x USB 2.0/1.1 ports (1 port on the back panel, 4 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	Wireless Communication module Realtek Wi-Fi 6E RTL8852CE (PCB rev. 1.0) - WIFI a, b, g, n, ac, ax, supporting 2.4/5/6 GHz carrier frequency bands - BLUETOOTH 5.3 - Support for 11ax 160MHz wireless Realtek Wi-Fi 6 RTL 8851BE (PCB rev. 1.1) - WIFI a, b, g, n, ac, ax, supporting 2.4/5 GHz carrier frequency bands - BLUETOOTH 5.3 - Support for 11ax 80MHz wireless (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 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 (M2C_SB), integrated in the Chipset, supporting Socket 3, M key, type 22110/2280 PCIe 4.0 x4/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
	2 x system fan headers
	2 x addressable 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 Q-Flash Plus button
	1 x reset jumper
	1 x Clear CMOS jumper
	Back Panel Connectors
	1 x PS/2 keyboard/mouse port
	1 x USB Type-C® port, with USB 3.2 Gen 1 support
	3 x USB 3.2 Gen 1 ports
	2 x USB 2.0/1.1 ports
	1 x HDMI port
	2 x DisplayPorts
	2 x SMA antenna connectors (2T2R) (1T1R)*
	* Only for Realtek Wi-Fi 6 RTL8851BE
	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
Bundled Software	Norton Internet Security (OEM version)
	LAN bandwidth management software

Basic Information

Warranty Information

Manufacturing Warranty	3 Years