GIGABYTE B850M AORUS ELITE WIFI6E ICE AMD AM5 DDR5 Micro ATX Motherboard

Sale Price: 34000.0

PRODUCT ID: 09537

Basic Information	
Supported CPU	AMD Socket AM5, support for: AMD Ryzen 9000 Series Processors AMD Ryzen 8000 Series Processors AMD Ryzen 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. Support for S/PDIF Out
Expansion Slots	
PCI	1 x PCI Express x16 slot (PCIEX16), integrated in the CPU: AMD Ryzen 9000/7000 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: - 1 x PCI Express x16 slot, supporting PCIe 3.0 and running at x4 (PCIEX4)

M.2 Socket	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 (M2B_CPU), integrated in the CPU, supporting Socket 3, M key, type 22110/2280 SSDs: AMD Ryzen 9000/7000 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
Memory	
Type	DDR5
Slots	4 DIMM
Supported Memory	Support for DDR5 8200(O.C) / 8000(O.C) / 7950(O.C) / 7900(O.C) / 7800(O.C.) / 7600(O.C.) / 7400(O.C.) / 7200(O.C.) / 7000(O.C.) / 6800(O.C.) / 6600(O.C.) / 6400(O.C) / 6200(O.C) / 6000(O.C) / 5800(O.C) / 5600(O.C) / 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	Integrated Graphics Processor with AMD Radeon Graphics support: - 1 x DisplayPort, supporting a maximum resolution of 3840x2160@144 Hz * Support for DisplayPort 1.4 version and HDR. - 1 x Front HDMI port, supporting a maximum resolution of 1920x1080@30 Hz * Support for HDMI 1.4 version.
Connector & Ports	
HDMI	1x HDMI
Display Port (s)	1 x DisplayPorts
USB (s)	CPU: - 1 x USB Type-C port on the back panel, with USB 3.2 Gen 2 support - 2 x USB 3.2 Gen 2 Type-A ports (red) on the back panel CPU+USB 2.0 Hub: - 4 x USB 2.0/1.1 ports on the back panel Chipset+USB 3.2 Gen 1 Hub: - 4 x USB 3.2 Gen 1 ports on the back panel Chipset: - 1 x USB Type-C port with USB 3.2 Gen 2x2 support, available through the internal USB header - 3 x USB 3.2 Gen 1 ports (1 port 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)

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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 (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 (M2B_CPU), integrated in the CPU, supporting Socket 3, M key, type 22110/2280 SSDs: AMD Ryzen 9000/7000 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, 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	3 x audio jacks

Internal I/O Ports	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
	3 x system fan headers
	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 2x2 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 HDMI port (Note)
	1 x reset button
	1 x reset jumper
	1 x Clear CMOS jumper
	(Note) Actual support may vary by CPU.
	Back Panel Connectors
	1 x DisplayPort (Note)
	1 x Q-Flash Plus button
	4 x USB 2.0/1.1 ports
	5 x USB 3.2 Gen 1 ports
	2 x USB 3.2 Gen 2 Type-A ports (red)
	1 x USB Type-C® port, with USB 3.2 Gen 2 support
	1 x RJ-45 port
	2 x antenna connectors (2T2R)
	2 x audio jacks
	1 x optical S/PDIF Out connector
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
Bundled Software	Norton® Internet Security (OEM version)
	LAN bandwidth management software
Warranty Information	

Manufacturing Warranty	3 Years