

GIGABYTE B850 GAMING X WIFI6E Motherboard - AMD Ryzen 9000 Series CPUs, 12+2+2 Phases Digital VRM, up to 5200MHz DDR5 (OC), 1xPCIe 5.0 + 2xPCIe 4.0 M.2, 2.5LAN, WIFI 6E, USB 3.2 Gen 2x2

Brand : GIGABYTE

Product code: B850 GAMING X WIFI6E

Product name : B850 GAMING X WIFI6E Motherboard - AMD Ryzen 9000 Series CPUs, 12+2+2 Phases Digital VRM, up to 5200MHz DDR5 (OC), 1xPCIe 5.0 + 2xPCIe 4.0 M.2, 2.5LAN, WIFI 6E, USB 3.2 Gen 2x2

- Twin 12+2+2 Phases Digital VRM with DrMOS
- Dual Channel DDR5 4*DIMMs
- PCIe Gen5 x16 with PCIe UD Slot & EZ-Latch Plus
- M.2 Gen5 with EZ-Latch Plus, Fully Covered MOSFET Heatsinks
- Wi-Fi 7 with WIFI EZ-Plug & Directional Antenna
- 2.5GbE LAN, Q-Flash Plus

B850 GAMING X WIFI6E Motherboard - AMD Ryzen 9000 Series CPUs, 12+2+2 Phases Digital VRM, up to 5200MHz DDR5 (OC), 1xPCIe 5.0 + 2xPCIe 4.0 M.2, 2.5LAN, WIFI 6E, USB 3.2 Gen 2x2

GIGABYTE B850 GAMING X WIFI6E Motherboard - AMD Ryzen 9000 Series CPUs, 12+2+2 Phases Digital VRM, up to 5200MHz DDR5 (OC), 1xPCIe 5.0 + 2xPCIe 4.0 M.2, 2.5LAN, WIFI 6E, USB 3.2 Gen 2x2:

Elevate your computing experience with GIGABYTE's renowned motherboard series: AORUS, AERO, and GIGABYTE. Featuring innovative designs and advanced features, these boards offer exceptional performance and reliability. Whether you're a gamer, content creator, or professional, our series cater to your needs, ensuring uncompromising quality and cutting-edge



Processor		Network	
Processor manufacturer *	AMD	Ethernet LAN	✓
Processor socket *	Socket AM5	Ethernet interface type	2.5 Gigabit Ethernet
Compatible processor series *	AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series	Wi-Fi *	✓
		Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
Supported processor sockets	Socket AM5	Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax), Wi-Fi 6E (802.11ax)
Memory		WLAN controller model	Realtek RTL8111H
Supported memory types *	DDR5-SDRAM	Bluetooth	✓
Number of memory slots *	4	Bluetooth version	5.3
Memory slots type	DIMM	Features	
Memory channels	Dual-channel	Motherboard chipset *	AMD B850
ECC compatibility	Non-ECC	Audio chip	Realtek ALC897
Supported memory clock speeds	4400,4800,5200 MHz	Audio output channels *	7.1 channels
Supported memory clock speed (max)	5200 MHz	Product colour	Brown
Maximum internal memory *	256 GB	PC health monitoring	Fan, Temperature, Voltage, Water cooling
Unbuffered memory	✓	Component for *	PC
Maximum internal memory per slot	64 GB	Motherboard form factor *	ATX
Storage controllers		Motherboard chipset family *	AMD
Supported storage drive types	HDD & SSD	Power source type	ATX
Supported storage drive interfaces *	M.2, SATA III	Windows operating systems supported	Windows 10 x64, Windows 11 x64
Number of HDDs supported	4	Expansion slots	
Number of storage drives supported	7	PCI Express x16 (Gen 3.x) slots	2
RAID support	✓	PCI Express x16 (Gen 5.x) slots	1
RAID levels	0, 1, 10	Number of M.2 (M) slots	3
Graphics		1st M.2 largest key size	25110
Parallel processing technology support *	Not supported	1st M.2 highest PCI Express generation	5.0
Maximum resolution	4096 x 2160 pixels		

Graphics		Expansion slots	
HDCP	✓	2nd M.2 largest key size	22110
DirectX version	12.0	2nd M.2 highest PCI Express generation	4.0
Internal I/O		3rd M.2 largest key size	22110
USB 2.0 connectors *	2	3rd M.2 highest PCI Express generation	4.0
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	BIOS	
USB 3.2 Gen 2x2 connectors	1	BIOS type *	UEFI AMI
Number of SATA III connectors *	4	BIOS memory size	256 Mbit
Front panel audio connector	✓	ACPI version	5.0
Front panel connector	✓	Clear CMOS jumper	✓
ATX Power connector (24-pin)	✓	Clear CMOS button	✓
CPU fan connector	✓	Desktop Management Interface (DMI) version	2.7
Number of CPU fan connectors	2	System Management BIOS (SMBIOS) version	2.7
Number of chassis fan connectors	3	Logistics data	
Peripheral (Molex) power connectors (4-pin)	1	Country of origin	China
EPS power connector (8-pin)	✓	Products per shipping (inner) case	1 pc(s)
Number of EPS power connectors (8-pin)	1	Battery	
TPM connector	✓	Battery weight	3 g
Serial port headers	1	Lithium weight per battery	0.07 g
12V power connector	✓	Number of battery cells	1
Number of water pump connectors	2	Battery technology	Lithium-Manganese Dioxide (LiMnO2)
RGB LED pin header	✓	Battery type	CR2032
Number of RGB LED pin headers	4	Packaging data	
Rear panel I/O ports		Package width	335 mm
USB 2.0 ports quantity *	3	Package depth	270 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3	Package height	80 mm
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	1	Package weight	2.38 kg
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1	Weight & dimensions	
Ethernet LAN (RJ-45) ports *	1	Width	305 mm
HDMI ports quantity *	1	Depth	244 mm
DisplayPorts quantity	1	Height	35 mm
Headphone outputs	1	Packaging content	
Microphone in	✓	Batteries included	✓
WiFi-AP antenna jack	2	Antenna included	✓
		Screws included	✓
		Bundled software	Norton Internet Security (OEM version) LAN bandwidth management software
		Other features	
		Weight	2.1 kg
		Technical details	
		Warranty period	3 year(s)



4719331866457

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.

Publication date: 13-DEC-2024. Prints or copies of Information are only valid on the printed Publication date