

## GIGABYTE B650E EAGLE WIFI6E Motherboard - AMD Ryzen 9000 Series CPUs, 8+2+2 Phases VRM, up to 8200MHz DDR5 (OC), 1xPCIe 5.0 + 2xPCIe 4.0 M.2, 2.5GbE LAN, WIFI 6E, USB 3.2 Gen 2

**Brand :** GIGABYTE

**Product code:** B650E EAGLE WF6E

**Product name :** B650E EAGLE WIFI6E Motherboard - AMD Ryzen 9000 Series CPUs, 8+2+2 Phases VRM, up to 8200MHz DDR5 (OC), 1xPCIe 5.0 + 2xPCIe 4.0 M.2, 2.5GbE LAN, WIFI 6E, USB 3.2 Gen 2



B650E EAGLE WIFI6E Motherboard - AMD Ryzen 9000 Series CPUs, 8+2+2 Phases VRM, up to 8200MHz DDR5 (OC), 1xPCIe 5.0 + 2xPCIe 4.0 M.2, 2.5GbE LAN, WIFI 6E, USB 3.2 Gen 2

[GIGABYTE B650E EAGLE WIFI6E Motherboard - AMD Ryzen 9000 Series CPUs, 8+2+2 Phases VRM, up to 8200MHz DDR5 \(OC\), 1xPCIe 5.0 + 2xPCIe 4.0 M.2, 2.5GbE LAN, WIFI 6E, USB 3.2 Gen 2:](#)

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 technology.



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	LAN controller	Realtek RTL8125
Supported processor sockets	Socket AM5	Wi-Fi *	✓
<b>Memory</b>		Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
Supported memory types *	DDR5-SDRAM	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)
Number of memory slots *	4	WLAN controller model	MediaTek MT7902
Memory slots type	DIMM	Bluetooth	✓
Memory channels	Dual-channel	Bluetooth version	5.3
ECC compatibility	Non-ECC		
Supported memory clock speeds	8200,8000,7950,7900,7800,7600,7200,6800,6600,6400,6200,6000,5600,5200,4800 MHz		
Supported memory clock speed (max)	8200 MHz		
Maximum internal memory *	256 GB		
Unbuffered memory	✓		
Maximum internal memory per slot	64 GB		
Storage controllers		Features	
Supported storage drive types	HDD & SSD	Motherboard chipset *	AMD B650
Supported storage drive interfaces *	M.2, SATA III	Audio chip	Realtek ALC897
Number of HDDs supported	4	Audio output channels *	7.1 channels
Number of storage drives supported	7	Product colour	Dark brown
RAID support	✓	PC health monitoring	Fan, Temperature, Voltage, Water cooling
RAID levels	0, 1, 5, 10	Component for *	PC
<b>Graphics</b>		Motherboard form factor *	ATX
Parallel processing technology support *	Not supported	Motherboard chipset family *	AMD
Maximum resolution	4096 x 2160 pixels	Cooling type	Passive
HDCP	✓	Power source type	ATX
HDCP version	2.3	Windows operating systems supported	Windows 10 x64, Windows 11 x64
DirectX version	12.0		
Expansion slots			
		PCI Express x1 (Gen 3.x) slots	2
		PCI Express x16 (Gen 4.x) slots	1
		PCI Express x16 (Gen 5.x) slots	1

<b>Internal I/O</b>		<b>Expansion slots</b>	
USB 2.0 connectors *	2	Number of M.2 (M) slots	3
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2	1st M.2 largest key size	22110
Number of SATA III connectors *	4	1st M.2 highest PCI Express generation	5.0
Front panel audio connector	✓	2nd M.2 largest key size	22110
Front panel connector	✓	2nd M.2 highest PCI Express generation	4.0
ATX Power connector (24-pin)	✓	3rd M.2 largest key size	22110
CPU fan connector	✓	3rd M.2 highest PCI Express generation	4.0
Number of CPU fan connectors	2		
Number of chassis fan connectors	4		
Peripheral (Molex) power connectors (4-pin)	1		
EPS power connector (8-pin)	✓		
Number of EPS power connectors (8-pin)	1		
TPM connector	✓		
12V power connector	✓		
Number of water pump connectors	2		
RGB LED pin header	✓		
Number of RGB LED pin headers	4		
<b>Rear panel I/O ports</b>		<b>Logistics data</b>	
USB 2.0 ports quantity *	4	Country of origin	China
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Products per shipping (inner) case	1 pc(s)
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1		
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2		
Ethernet LAN (RJ-45) ports *	1		
PS/2 ports quantity	1		
HDMI ports quantity *	1	<b>Battery</b>	
HDMI version	2.1	Battery weight	3 g
DisplayPort version	1.4	Lithium weight per battery	0.07 g
Headphone outputs	1	Number of battery cells	1
Line-in	✓	Battery technology	Lithium-Manganese Dioxide (LiMnO <sub>2</sub> )
Microphone in	✓	Battery type	CR2032
WiFi-AP antenna jack	2	<b>Packaging data</b>	
		Package width	335 mm
		Package depth	270 mm
		Package height	80 mm
		Package weight	1.89 kg
<b>Weight &amp; dimensions</b>		<b>Weight &amp; dimensions</b>	
		Width	305 mm
		Depth	244 mm
		Height	35 mm
<b>Packaging content</b>		<b>Packaging content</b>	
		Batteries included	✓
		Antenna included	✓
		Screws included	✓
		Bundled software	Norton® Internet Security (OEM version)
<b>Other features</b>		<b>Other features</b>	
		Weight	1.68 kg
<b>Technical details</b>		<b>Technical details</b>	
		Warranty period	3 year(s)



4719331877798

### Catalog Object Cloud



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.