

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

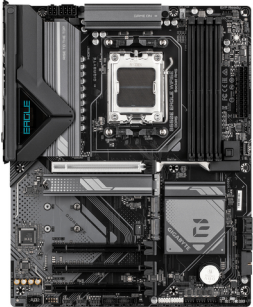
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Elevate your computing experience with GIGABYTE's renowned motherboard series: AORUS, AERO, and GIGABYTE. Featuring innovative designs and advanced features, these boards offer exceptional performance and reliability. Whether you're a gamer, content 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
		Wi-Fi *	✔
Supported processor sockets	Socket AM5	Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
Memory			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)
Supported memory types *	DDR5-SDRAM	Wi-Fi standards	
Number of memory slots *	4		
Memory slots type	DIMM	WLAN controller model	MediaTek MT7902
Memory channels	Dual-channel	Bluetooth	✔
ECC compatibility	Non-ECC	Bluetooth version	5.3
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			
Supported storage drive types	HDD & SSD		
Supported storage drive interfaces *	M.2, SATA III		
Number of HDDs supported	4		
Number of storage drives supported	7		
RAID support	✔		
RAID levels	0, 1, 5, 10		
Graphics			
Parallel processing technology support *	Not supported		
Maximum resolution	4096 x 2160 pixels		
HDCP	✔		
HDCP version	2.3		
DirectX version	12.0		

Features	
Motherboard chipset *	AMD B650
Audio chip	Realtek ALC897
Audio output channels *	7.1 channels
Product colour	Dark brown
PC health monitoring	Fan, Temperature, Voltage, Water cooling
Component for *	PC
Motherboard form factor *	ATX
Motherboard chipset family *	AMD
Cooling type	Passive
Power source type	ATX
Windows operating systems supported	Windows 10 x64, Windows 11 x64
Expansion slots	
PCI Express x16 (Gen 3.x) slots	2
PCI Express x16 (Gen 4.x) slots	1
PCI Express x16 (Gen 5.x) slots	1

Internal I/O		Expansion slots	
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	BIOS	
Number of chassis fan connectors	4	BIOS type *	UEFI AMI
Peripheral (Molex) power connectors (4-pin)	1	BIOS memory size	256 Mbit
EPS power connector (8-pin)	✓	ACPI version	5.0
Number of EPS power connectors (8-pin)	1	Clear CMOS jumper	✓
TPM connector	✓	Desktop Management Interface (DMI) version	2.7
12V power connector	✓	System Management BIOS (SMBIOS) version	2.7
Number of water pump connectors	2	Logistics data	
RGB LED pin header	✓	Country of origin	China
Number of RGB LED pin headers	4	Products per shipping (inner) case	1 pc(s)
Rear panel I/O ports		Battery	
USB 2.0 ports quantity *	4	Battery weight	3 g
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Lithium weight per battery	0.07 g
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1	Number of battery cells	1
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2	Battery technology	Lithium-Manganese Dioxide (LiMnO2)
Ethernet LAN (RJ-45) ports *	1	Battery type	CR2032
PS/2 ports quantity	1	Packaging data	
HDMI ports quantity *	1	Package width	335 mm
HDMI version	2.1	Package depth	270 mm
DisplayPort version	1.4	Package height	80 mm
Headphone outputs	1	Package weight	1.89 kg
Line-in	✓	Weight & dimensions	
Microphone in	✓	Width	305 mm
WiFi-AP antenna jack	2	Depth	244 mm
		Height	35 mm
		Packaging content	
		Batteries included	✓
		Antenna included	✓
		Screws included	✓
		Bundled software	Norton® Internet Security (OEM version)
		Other features	
		Weight	1.68 kg
		Technical details	
		Warranty period	3 year(s)



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Catalog Object Cloud



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