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GIGABYTE B850M EAGLE WIFI6E Motherboard - AMD Ryzen 9000 Series CPUs, 8+2+2 Phases Digital VRM, up to 8200MHz DDR5 (OC), 1xPCIe 5.0 + 1xPCIe 4.0 M.2, WIFI 6E, 2.5 GbE LAN, USB 3.2 Gen 2

Brand : GIGABYTE

Product code: B850M 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	
Processor manufacturer *	AMD
Processor socket *	Socket AM5
Compatible processor series *	AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series
Supported processor sockets	Socket AM5

Memory	
Supported memory types *	DDR5-SDRAM
Number of memory slots *	4
Memory slots type	DIMM
Memory channels	Dual-channel
ECC compatibility	Non-ECC
Supported memory clock speeds	8200,8000,7950,7900,7800,7600,7400,7200,7000,6800,6600,6400,6200,6000,5800,5600,5200,4800,4400 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, PCI Express 4.0, PCI Express 5.0, SATA III
Number of HDDs supported	4
Number of storage drives supported	6
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

Internal I/O	
USB 2.0 connectors *	2
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1

Rear panel I/O ports	
Line-in	✔
Microphone in	✔
WiFi-AP antenna jack	2

Network	
Ethernet LAN	✔
Ethernet interface type	2.5 Gigabit Ethernet
LAN controller	Realtek RTL8125
Wi-Fi *	✔
Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
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)
WLAN controller model	Realtek RTL8852CE
Bluetooth	✔
Bluetooth version	5.3

Features	
Motherboard chipset *	AMD B850
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 *	micro 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	1

Internal I/O	
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1
Number of SATA III connectors *	4
Front panel audio connector	✔
Front panel connector	✔
ATX Power connector (24-pin)	✔
CPU fan connector	✔
Number of CPU fan connectors	2
Number of chassis fan connectors	2
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

Rear panel I/O ports	
USB 2.0 ports quantity *	4
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
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 *	1
Ethernet LAN (RJ-45) ports *	1
PS/2 ports quantity	1
HDMI ports quantity *	1
HDMI version	2.1
DisplayPorts quantity	2
DisplayPort version	1.4
Headphone outputs	1

Expansion slots	
PCI Express x16 (Gen 5.x) slots	1
Number of M.2 (M) slots	2
1st M.2 largest key size	25110
1st M.2 highest PCI Express generation	5.0
2nd M.2 largest key size	22110
2nd M.2 highest PCI Express generation	4.0

BIOS	
BIOS type *	UEFI AMI
BIOS memory size	256 Mbit
ACPI version	5.0
Clear CMOS jumper	✔
Desktop Management Interface (DMI) version	2.7
System Management BIOS (SMBIOS) version	2.7

Logistics data	
Country of origin	China
Products per shipping (inner) case	1 pc(s)

Battery	
Battery weight	3 g
Lithium weight per battery	0.07 g
Number of battery cells	1
Battery technology	Lithium-Manganese Dioxide (LiMnO2)
Battery type	CR2032

Packaging data	
Package width	270 mm
Package depth	268 mm
Package height	68 mm
Package weight	1.46 kg

Weight & dimensions	
Width	244 mm
Depth	244 mm
Height	35 mm

Packaging content	
Batteries included	✔
Antenna included	✔
Screws included	✔
Bundled software	Norton® Internet Security (OEM version); LAN bandwidth management software

Other features	
Weight	1.26 kg

Technical details	
Warranty period	3 year(s)

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