

## GIGABYTE B850M EAGLE WIFI6E ICE 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, Wi-Fi 6E, 2.5 GbE LAN, USB 3.2 Gen 2



**Brand :** GIGABYTE

**Product code:** B850M EAGLE WF6E ICE

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Processor		Rear panel I/O ports	
Processor manufacturer *	AMD	DisplayPort version	1.4
Processor socket *	Socket AM5	Headphone outputs	1
Compatible processor series *	AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series	Line-in	✓
Supported processor sockets	Socket AM5	Microphone in	✓
<b>Memory</b>		WiFi-AP antenna jack	2
Supported memory types *	DDR5-SDRAM	<b>Network</b>	
Number of memory slots *	4	Ethernet LAN	✓
Memory slots type	DIMM	Ethernet interface type	2.5 Gigabit Ethernet
Memory channels	Dual-channel	Wi-Fi *	✓
ECC compatibility	Non-ECC	Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
Supported memory clock speeds MHz	8200,8000,7950,7900,7800,7600,7400,7200,7000,6800,6600,6400,6200,6000,5800,5600,5200,4800,4400	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)
Supported memory clock speed (max)	8200 MHz	WLAN controller model	Realtek RTL8852CE
Maximum internal memory *	256 GB	Bluetooth	✓
Unbuffered memory	✓	Bluetooth version	5.3
Maximum internal memory per slot	64 GB	<b>Features</b>	
<b>Storage controllers</b>		Motherboard chipset *	AMD B850
Supported storage drive types	HDD & SSD	Audio output channels *	7.1 channels
Supported storage drive interfaces *	M.2, PCI Express 4.0, PCI Express 5.0, SATA III	Product colour	White
Number of HDDs supported	4	PC health monitoring	Fan, Temperature, Voltage, Water cooling
Number of storage drives supported	6	Component for *	PC
RAID support	✓	Motherboard form factor *	micro ATX
RAID levels	0, 1, 5, 10	Motherboard chipset family *	AMD
<b>Graphics</b>		Cooling type	Passive
Parallel processing technology support *	Not supported	Power source type	ATX
On-board graphics card	✗	Windows operating systems supported	Windows 10 x64, Windows 11 x64
Maximum resolution	4096 x 2160 pixels	<b>Expansion slots</b>	
HDCP	✓	PCI Express x16 (Gen 3.x) slots	1
<b>Internal I/O</b>			
USB 2.0 connectors *	2		
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1		

Internal I/O		Expansion slots	
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1	PCI Express x16 (Gen 5.x) slots	1
Number of SATA III connectors *	4	Number of M.2 (M) slots	2
Front panel audio connector	✓	1st M.2 largest key size	25110
Front panel connector	✓	1st M.2 highest PCI Express generation	5.0
ATX Power connector (24-pin)	✓	2nd M.2 largest key size	22110
CPU fan connector	✓	2nd M.2 highest PCI Express generation	4.0
Number of CPU fan connectors	2	BIOS	
Number of chassis fan connectors	2	BIOS type *	UEFI AMI
EPS power connector (8-pin)	✓	BIOS memory size	256 Mbit
Number of EPS power connectors (8-pin)	1	ACPI version	5.0
TPM connector	✓	Clear CMOS jumper	✓
12V power connector	✓	Desktop Management Interface (DMI) version	2.7
Number of water pump connectors	2	System Management BIOS (SMBIOS) version	2.7
RGB LED pin header	✓	Logistics data	
Number of RGB LED pin headers	4	Country of origin	China
Rear panel I/O ports		Products per shipping (inner) case	1 pc(s)
USB 2.0 ports quantity *	4	Battery	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Battery weight	3 g
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	1	Lithium weight per battery	0.07 g
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1	Number of battery cells	1
Ethernet LAN (RJ-45) ports *	1	Battery technology	Lithium-Manganese Dioxide (LiMnO <sub>2</sub> )
PS/2 ports quantity	1	Battery type	CR2032
HDMI ports quantity *	1	Packaging data	
HDMI version	2.1	Package weight	1.9 kg
DisplayPorts quantity	2	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	1.7 kg	
	Technical details		
	Warranty period	3 year(s)	



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### Catalog Object Cloud



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