

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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Processor		Rear panel I/O ports	
Processor manufacturer *	AMD	Line-in	✓
Processor socket *	Socket AM5	Microphone in	✓
Compatible processor series *	AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series	WiFi-AP antenna jack	2
Supported processor sockets		Network	
Memory		Ethernet LAN	✓
Supported memory types *	DDR5-SDRAM	Ethernet interface type	2.5 Gigabit Ethernet
Number of memory slots *	4	LAN controller	Realtek RTL8125
Memory slots type	DIMM	Wi-Fi *	✓
Memory channels	Dual-channel	Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
ECC compatibility	Non-ECC	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 speeds MHz	8200,8000,7950,7900,7800,7600,7400,7200,7000,6800,6600,6400,6200,6000,5800,5600,5200,4800,4400	WLAN controller model	Realtek RTL8852CE
Supported memory clock speed (max)	8200 MHz	Bluetooth	✓
Maximum internal memory *	256 GB	Bluetooth version	5.3
Unbuffered memory	✓		
Maximum internal memory per slot	64 GB		
Storage controllers		Features	
Supported storage drive types	HDD & SSD	Motherboard chipset *	AMD B850
Supported storage drive interfaces *	M.2, PCI Express 4.0, PCI Express 5.0, SATA III	Audio chip	Realtek ALC897
Number of HDDs supported	4	Audio output channels *	7.1 channels
Number of storage drives supported	6	Product colour	Dark brown
RAID support	✓	PC health monitoring	Fan, Temperature, Voltage, Water cooling
RAID levels	0, 1, 5, 10	Component for *	PC
Graphics		Motherboard form factor *	micro 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		
Internal I/O		Expansion slots	
USB 2.0 connectors *	2	PCI Express x16 (Gen 3.x) slots	1
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 1 (3.1 Gen 1) Type-C ports quantity *	1	Lithium weight per battery	0.07 g
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	1	Number of battery cells	1
Ethernet LAN (RJ-45) ports *	1	Battery technology	Lithium-Manganese Dioxide (LiMnO ₂)
PS/2 ports quantity	1	Battery type	CR2032
HDMI ports quantity *	1	Packaging data	
HDMI version	2.1	Package width	270 mm
DisplayPorts quantity	2	Package depth	268 mm
DisplayPort version	1.4	Package height	68 mm
Headphone outputs	1	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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