

GIGABYTE B840 EAGLE WIFI6E Motherboard - AMD Ryzen 9000 CPUs, 8+2+2 Phases VRM, up to 8200MHz DDR5(O.C), 2xPCIe 4.0 + 1xPCIe 3.0 M.2, Wi-Fi 6E, 2.5GbE LAN, USB 3.2 Gen 2



Brand : GIGABYTE

Product code: B840 EAGLE WF6E

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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 *	✓
Memory		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	Realtek RTL8852CE
Memory slots type	DIMM	Bluetooth	✓
Memory channels	Dual-channel	Bluetooth version	5.3
ECC compatibility	Non-ECC		
Supported memory clock speeds	8200,8000,7950,7900,7800,7600,7400,7200,7000,6800,6600,6400,6200,6000,5800,5600,5200,4800,4400 MHz		
Supported memory clock speed (max)	8200 MHz		
Maximum internal memory *	256 GB		
Unbuffered memory	✓		
Maximum internal memory per slot	64 GB		
Storage controllers		Features	
Supported storage drive types	HDD & SSD	Motherboard chipset *	AMD B840
Supported storage drive interfaces *	M.2, PCI Express 3.0, PCI Express 4.0, 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
Graphics		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		
Internal I/O		Expansion slots	
USB 2.0 connectors *	2	PCI Express x16 (Gen 3.x) slots	3
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	3	PCI Express x16 (Gen 4.x) slots	1
		Number of M.2 (M) slots	3
		1st M.2 largest key size	25110
		1st M.2 highest PCI Express generation	4.0

Internal I/O		Expansion slots	
Number of SATA III connectors *	4	2nd M.2 largest key size	25110
Front panel audio connector	✓	2nd M.2 highest PCI Express generation	4.0
Front panel connector	✓	3rd M.2 largest key size	25110
ATX Power connector (24-pin)	✓	3rd M.2 highest PCI Express generation	3.0
CPU fan connector	✓		
Number of CPU fan connectors	2		
Number of chassis fan connectors	4		
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		Logistics data	
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 2 (3.1 Gen 2) Type-A ports quantity *	1		
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1		
Ethernet LAN (RJ-45) ports *	1		
HDMI ports quantity *	1		
HDMI version	2.1		
DisplayPorts quantity	1		
DisplayPort version	1.4		
Headphone outputs	1		
Line-in	✓		
Microphone in	✓		
WiFi-AP antenna jack	2		
Battery		Packaging data	
		Battery weight	3 g
		Lithium weight per battery	0.07 g
		Number of battery cells	1
		Battery technology	Lithium-Manganese Dioxide (LiMnO ₂)
		Battery type	CR2032
Weight & dimensions		Packaging content	
		Package width	335 mm
		Package depth	270 mm
		Package height	80 mm
		Package weight	1.87 kg
		Width	305 mm
		Depth	244 mm
		Height	35 mm
Other features		Norton® Internet Security (OEM version)	
		Batteries included	✓
		Antenna included	✓
		Screws included	✓
		Bundled software	Norton® Internet Security (OEM version)
Technical details			
		Weight	1.64 kg
		Warranty period	3 year(s)



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