

## GIGABYTE B840 GAMING X WIFI6E Motherboard - AMD Ryzen 9000 CPUs, 12+2+2 Phases VRM, up to 7600MHz 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 GAMING X WF6E

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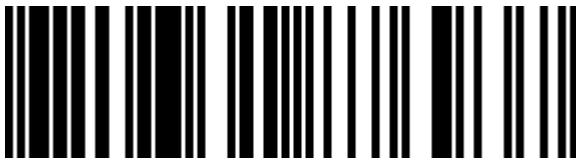
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Elevate your computing experience with GIGABYTE's renowned motherboard series: AORUS, AERO, and GIGABYTE. Featuring innovative designs and advanced features, these boards offer exceptional performance and reliability. Whether you're a gamer, content creator, or professional, our series cater to your needs, ensuring uncompromising quality and cutting-edge technology.



Processor		Rear panel I/O ports	
Processor manufacturer *	AMD	WiFi-AP antenna jack	2
Processor socket *	Socket AM5	Network	
Compatible processor series *	AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series	Ethernet LAN	✓
Supported processor sockets	Socket AM5	Ethernet interface type	2.5 Gigabit Ethernet
<b>Memory</b>		LAN controller	Realtek RTL8125
Supported memory types *	DDR5-SDRAM	Wi-Fi *	✓
Number of memory slots *	4	Top Wi-Fi standard	Wi-Fi 6E (802.11ax)
Memory slots type	DIMM	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)
ECC compatibility	Non-ECC	WLAN controller model	Realtek RTL8852CE
Supported memory clock speeds	7600,7200,7000,6800,6666,6600,6400,6200,6000,5600,5200,4800 MHz	Bluetooth	✓
Supported memory clock speed (max)	7600 MHz	Bluetooth version	5.3
Maximum internal memory *	256 GB	<b>Features</b>	
Unbuffered memory	✓	Motherboard chipset *	AMD B840
Maximum internal memory per slot	64 GB	Audio chip	Realtek ALC897
<b>Storage controllers</b>		Audio output channels *	7.1 channels
Supported storage drive types	HDD & SSD	Product colour	Dark brown
Supported storage drive interfaces *	M.2, PCI Express 3.0, PCI Express 4.0, SATA III	PC health monitoring	Fan, Temperature, Voltage, Water cooling
Number of HDDs supported	4	Component for *	PC
Number of storage drives supported	7	Motherboard form factor *	ATX
RAID support	✓	Motherboard chipset family *	AMD
RAID levels	0, 1, 5, 10	Cooling type	Passive
<b>Graphics</b>		Power source type	ATX
Parallel processing technology support *	Not supported	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	3
HDCP version	2.3	PCI Express x16 (Gen 4.x) slots	1
DirectX version	12.0	Number of M.2 (M) slots	3

<b>Internal I/O</b>		<b>Expansion slots</b>	
USB 2.0 connectors *	2	1st M.2 largest key size	25110
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	3	1st M.2 highest PCI Express generation	4.0
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		
Peripheral (Molex) power connectors (4-pin)	1		
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		
<b>Rear panel I/O ports</b>		<b>Logistics data</b>	
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	<b>Battery</b>	
HDMI version	2.1	Battery weight	3 g
DisplayPorts quantity	1	Lithium weight per battery	0.07 g
DisplayPort version	1.4	Number of battery cells	1
Headphone outputs	1	Battery technology	Lithium-Manganese Dioxide (LiMnO <sub>2</sub> )
Line-in	✓	Battery type	CR2032
Microphone in	✓	<b>Packaging data</b>	
		Package width	335 mm
		Package depth	270 mm
		Package height	80 mm
		Package weight	1.89 kg
<b>Weight &amp; dimensions</b>			
		Width	305 mm
		Depth	244 mm
		Height	35 mm
<b>Packaging content</b>			
		Batteries included	✓
		Antenna included	✓
		Screws included	✓
		Bundled software	Norton® Internet Security (OEM version)
<b>Other features</b>			
		Weight	1.66 kg
<b>Technical details</b>			
		Warranty period	3 year(s)



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### Catalog Object Cloud



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