

## GIGABYTE B850 GAMING WIFI6 Motherboard - AMD Ryzen 9000 Series CPUs, 6+2+2 Phasen Digital VRM, up to 8200MHz DDR5 (OC), 1xPCIe 5.0 + 2xPCIe 4.0 M.2, GbE LAN, WIFI 6, USB 3.2 Gen 2



**Brand :** GIGABYTE

**Product code:** B850 GAMING WF6

**Product name :** B850 GAMING WIFI6 Motherboard - AMD Ryzen 9000 Series CPUs, 6+2+2 Phasen Digital VRM, up to 8200MHz DDR5 (OC), 1xPCIe 5.0 + 2xPCIe 4.0 M.2, GbE LAN, WIFI 6, USB 3.2 Gen 2

- 6+2+2 Phases Digital VRM with DrMOS
- Dual Channel DDR5 4\*DIMMs
- PCIe Gen5 x16 with PCIe UD Slot & EZ-Latch Plus
- M.2 Gen5 with EZ-Latch Plus, Advanced MOSFET Heatsinks
- Wi-Fi 6 with WIFI EZ-Plug, Q-Flash Plus

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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

<b>Processor</b>		<b>Rear panel I/O ports</b>	
Processor manufacturer *	AMD	WiFi-AP antenna jack	2
Processor socket *	Socket AM5	<b>Network</b>	
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	Gigabit Ethernet
<b>Memory</b>		Wi-Fi *	✓
Supported memory types *	DDR5-SDRAM	Top Wi-Fi standard	Wi-Fi 6 (802.11ax)
Number of memory slots *	4	Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)
Memory slots type	DIMM	WLAN controller model	Realtek RTL8111H
Memory channels	Dual-channel	Bluetooth	✓
ECC compatibility	Non-ECC	Bluetooth version	5.3
Supported memory clock speeds	4400,4800,5200,8200 MHz	<b>Features</b>	
Supported memory clock speed (max)	8200 MHz	Motherboard chipset *	AMD B850
Maximum internal memory *	256 GB	Audio chip	Realtek ALC897
Unbuffered memory	✓	Audio output channels *	7.1 channels
Maximum internal memory per slot	64 GB	Product colour	Brown
<b>Storage controllers</b>		PC health monitoring	Fan, Temperature, Voltage, Water cooling
Supported storage drive types	HDD & SSD	Component for *	PC
Supported storage drive interfaces *	M.2, SATA III	Motherboard form factor *	ATX
Number of HDDs supported	4	Motherboard chipset family *	AMD
Number of storage drives supported	7	Power source type	ATX
RAID support	✓	Windows operating systems supported	Windows 10 x64, Windows 11 x64
RAID levels	0, 1, 10	<b>Expansion slots</b>	
<b>Graphics</b>		PCI Express x16 (Gen 3.x) slots	3
Parallel processing technology support *	Not supported	PCI Express x16 (Gen 5.x) slots	1
Maximum resolution	4096 x 2160 pixels	Number of M.2 (M) slots	3
HDCP	✓	1st M.2 largest key size	25110

<b>Graphics</b>		<b>Expansion slots</b>	
DirectX version	12.0	1st M.2 highest PCI Express generation	5.0
<b>Internal I/O</b>		2nd M.2 largest key size	22110
USB 2.0 connectors *	2	2nd M.2 highest PCI Express generation	4.0
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	3rd M.2 largest key size	22110
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1	3rd M.2 highest PCI Express generation	4.0
Number of SATA III connectors *	4	<b>BIOS</b>	
Front panel audio connector	✓	BIOS type *	UEFI AMI
Front panel connector	✓	BIOS memory size	256 Mbit
ATX Power connector (24-pin)	✓	ACPI version	5.0
CPU fan connector	✓	Clear CMOS jumper	✓
Number of CPU fan connectors	2	Clear CMOS button	✓
Number of chassis fan connectors	3	Desktop Management Interface (DMI) version	2.7
Peripheral (Molex) power connectors (4-pin)	1	System Management BIOS (SMBIOS) version	2.7
EPS power connector (8-pin)	✓	<b>Logistics data</b>	
Number of EPS power connectors (8-pin)	1	Country of origin	China
TPM connector	✓	Products per shipping (inner) case	1 pc(s)
Serial port headers	1	<b>Battery</b>	
12V power connector	✓	Battery weight	3 g
Number of water pump connectors	2	Lithium weight per battery	0.07 g
RGB LED pin header	✓	Number of battery cells	1
Number of RGB LED pin headers	4	Battery technology	Lithium-Manganese Dioxide (LiMnO2)
<b>Rear panel I/O ports</b>		Battery type	CR2032
USB 2.0 ports quantity *	4	<b>Packaging data</b>	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Package width	335 mm
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2	Package depth	270 mm
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1	Package height	80 mm
Ethernet LAN (RJ-45) ports *	1	Package weight	1.76 kg
HDMI ports quantity *	1	<b>Weight &amp; dimensions</b>	
DisplayPorts quantity	1	Width	305 mm
Headphone outputs	1	Depth	244 mm
Microphone in	✓	Height	35 mm
		<b>Packaging content</b>	
		Batteries included	✓
		Antenna included	✓
		Screws included	✓
		Bundled software	Norton Internet Security (OEM version) LAN bandwidth management software
		<b>Other features</b>	
		Weight	1.51 kg
		<b>Technical details</b>	
		Warranty period	3 year(s)

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