

# GIGABYTE X870 GAMING X WIFI7 Motherboard - Supports AMD Ryzen 9000 CPUs, 16+2+2 phases VRM, up to 8000MHz DDR5 (OC), 1xPCIe 5.0 + 2xPCIe 4.0, Wi-Fi 7, 2.5GbE LAN, USB 4

**Brand :** GIGABYTE

**Product code:** X870 GAMING X WIFI7

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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
		Wi-Fi *	✓
Supported processor sockets	Socket AM5	Top Wi-Fi standard	Wi-Fi 7 (802.11be)
Maximum internal memory supported by processor	256 GB	Wi-Fi standards	Wi-Fi 7 (802.11be)
		WLAN controller model	MediaTek MT7925
<b>Memory</b>		Bluetooth	✓
Supported memory types *	DDR5-SDRAM	Bluetooth version	5.4
Number of memory slots *	4	<b>Features</b>	
Memory slots type	DIMM	Motherboard chipset *	AMD X870
Memory channels	Dual-channel	Audio chip	Realtek ALC897
ECC compatibility	Non-ECC	Audio output channels *	7.1 channels
Supported memory clock speeds	4400,4800,5200,5600,6000,6200,6400,6600,6666,6800,7000,7200,7600,7800,8000,8200 MHz	Product colour	Black
		PC health monitoring	Fan, Temperature, Voltage
Supported memory clock speed (max)	8200 MHz	Component for *	PC
Maximum internal memory *	256 GB	Motherboard form factor *	ATX
Supported memory module capacities	1GB, 2GB, 4GB, 8GB, 16GB, 24GB, 32GB, 40GB, 48GB, 64GB	Motherboard chipset family *	AMD
		Windows operating systems supported	Windows 11 x64
Unbuffered memory	✓	<b>Expansion slots</b>	
Maximum internal memory per slot	64 GB	PCI Express x4 slots	2
<b>Storage controllers</b>		PCI Express x16 (Gen 3.x) slots	2
Supported storage drive types	HDD & SSD	PCI Express x16 (Gen 5.x) slots	1
Supported storage drive interfaces *	M.2, SATA III	Number of M.2 (M) slots	3
Number of HDDs supported	7	1st M.2 largest key size	25110
Number of storage drives supported	7	1st M.2 highest PCI Express generation	5.0
RAID support	✓	2nd M.2 largest key size	25110
RAID levels	0, 1, 10	<b>Graphics</b>	
<b>Graphics</b>		Parallel processing technology support *	Not supported
On-board graphics card	✗	DirectX version	12.0

Internal I/O		Expansion slots	
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	25110
USB 3.2 Gen 2x2 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	4	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)
Number of water pump connectors	1	<b>Battery</b>	
RGB LED pin header	✓	Battery weight	3 g
Number of RGB LED pin headers	4	Lithium weight per battery	0.07 g
<b>Rear panel I/O ports</b>		Number of battery cells	1
USB 2.0 ports quantity *	4	Battery technology	Lithium-Manganese Dioxide (LiMnO2)
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Battery type	CR2032
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	1	<b>Packaging data</b>	
USB4 Gen 2x2 ports quantity	2	Package width	335 mm
Ethernet LAN (RJ-45) ports *	1	Package depth	270 mm
HDMI ports quantity *	1	Package height	80 mm
HDMI version	2.1	Package weight	2.53 kg
DisplayPort version	1.4	<b>Weight &amp; dimensions</b>	
Headphone outputs	1	Width	305 mm
Microphone in	✓	Depth	244 mm
WiFi-AP antenna jack	2	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	2.23 kg
		<b>Technical details</b>	
		Warranty period	3 year(s)



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### Catalog Object Cloud



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