

GIGABYTE X870 GAMING X WIFI7 Motherboard

Brand : GIGABYTE

Product code: X870 GAMING X WIFI7

Product name : X870 GAMING X WIFI7 Motherboard

- AMD Socket AM5: Supports AMD Ryzen 9000 Series, 8000 Series, 7000 Series Processors
 - Digital twin 16+2+2 phases VRM solution
 - Dual Channel DDR5 4 DIMMs with AMD EXPO Memory Module Support
 - PCIe Gen5 x16 with PCIe UD Slot X & EZ-Latch Plus
 - Ultra-Fast Storage: 3*M.2 slots, including 1* PCIe 5.0 x4
 - Efficient Overall Thermal: VRM Thermal Armor Advanced & M.2 Thermal Guard Extension
 - Extended Connectivity: Dual USB4 Type-C with DP-Alt, HDMI
 - Fast Networking: 2.5GbE LAN & Wi-Fi 7 with Ultra-high gain antenna
- 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

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

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	BIOS	
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)	✓	Logistics data	
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	Battery	
RGB LED pin header	✓	Battery weight	3 g
Number of RGB LED pin headers	4	Lithium weight per battery	0.07 g
Rear panel I/O ports		Number of battery cells	1
USB 2.0 ports quantity *	4	Battery capacity	220 mAh
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Battery technology	Lithium-Manganese Dioxide (LiMnO2)
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	1	Battery type	CR2032
USB4 Gen 2x2 ports quantity	2	Packaging data	
Ethernet LAN (RJ-45) ports *	1	Package width	335 mm
HDMI ports quantity *	1	Package depth	270 mm
HDMI version	2.1	Package height	80 mm
DisplayPort version	1.4	Package weight	2.53 kg
Headphone outputs	1	Weight & dimensions	
Microphone in	✓	Width	305 mm
WiFi-AP antenna jack	2	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	2.23 kg
		Technical details	
		Warranty period	3 year(s)



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