

GIGABYTE X870 AORUS ELITE WIFI7 ICE Motherboard - Supports AMD Ryzen 9000 CPUs, 16+2+2 Phases Digital VRM, up to 8200MHz DDR5 (OC), 3xPCIe 5.0 + 1xPCIe 4.0, Wi-Fi 7, 2.5GbE LAN, USB 4

Brand : GIGABYTE

Product code: X870 A ELITE WF7 ICE

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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	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), Wi-Fi 7 (802.11be)
Memory		WLAN controller model	MediaTek MT7925
Supported memory types *	DDR5-SDRAM	Bluetooth	✓
Number of memory slots *	4	Bluetooth version	5.4
Memory slots type	DIMM	Features	
Memory channels	Dual-channel	Motherboard chipset *	AMD X870
ECC compatibility	Non-ECC	Audio chip	Realtek ALC1220
Supported memory clock speeds MHz	4400,4800,5200,5600,6000,6200,6400,6600,6666,6800,7000,7200,7600,7800,8000,8200	Audio output channels *	7.1 channels
Supported memory clock speed (max)	8200 MHz	Product colour	White
Maximum internal memory *	256 GB	PC health monitoring	Fan, Noise, Temperature, Voltage, Water cooling
Unbuffered memory	✓	Component for *	PC
Maximum internal memory per slot	64 GB	Motherboard form factor *	ATX
Storage controllers		Motherboard chipset family *	AMD
Supported storage drive types	HDD & SSD	Windows operating systems supported	Windows 11 x64
Supported storage drive interfaces *	M.2	Expansion slots	
Number of HDDs supported	4	PCI Express x16 (Gen 3.x) slots	1
Number of storage drives supported	8	PCI Express x16 (Gen 4.x) slots	1
RAID support	✓	PCI Express x16 (Gen 5.x) slots	1
RAID levels	0, 1, 10	Number of M.2 (M) slots	4
Graphics		1st M.2 largest key size	25110
Parallel processing technology support *	Not supported		
On-board graphics card	✓		
Maximum resolution	4096 x 2160 pixels		
HDCP	✓		
DirectX version	12.0		

Graphics		Expansion slots	
Discrete graphics support	✓	1st M.2 highest PCI Express generation	5.0
Number of displays supported	4	2nd M.2 largest key size	22110
On-board graphics card model	AMD Radeon Graphics	2nd M.2 highest PCI Express generation	5.0
Internal I/O		3rd M.2 largest key size	22110
USB 2.0 connectors *	2	3rd M.2 highest PCI Express generation	5.0
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	4th M.2 largest key size	22110
USB 3.2 Gen 2x2 connectors	1	4th M.2 highest PCI Express generation	4.0
Number of SATA III connectors *	4	BIOS	
Total number of SATA connectors	4	BIOS type *	UEFI AMI
Front panel audio connector	✓	BIOS memory size	256 Mbit
Front panel connector	✓	ACPI version	5.0
ATX Power connector (24-pin)	✓	Clear CMOS jumper	✓
CPU fan connector	✓	Clear CMOS button	✓
Number of CPU fan connectors	2	Desktop Management Interface (DMI) version	2.7
Number of chassis fan connectors	6	System Management BIOS (SMBIOS) version	2.7
EPS power connector (8-pin)	✓	Logistics data	
Number of EPS power connectors (8-pin)	2	Country of origin	China
TPM connector	✓	Products per shipping (inner) case	1 pc(s)
12V power connector	✓	Battery	
Number of water pump connectors	3	Battery weight	3 g
RGB LED pin header	✓	Lithium weight per battery	0.07 g
Number of RGB LED pin headers	4	Number of battery cells	1
Rear panel I/O ports		Battery technology	Lithium-Manganese Dioxide (LiMnO2)
USB 2.0 ports quantity *	4	Battery type	CR2032
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Packaging data	
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2	Package width	335 mm
USB4 Gen 3x2 ports quantity	2	Package depth	270 mm
HDMI ports quantity *	1	Package height	80 mm
HDMI version	2.1	Package weight	2.74 kg
DisplayPort version	1.4	Weight & dimensions	
Headphone outputs	1	Width	305 mm
Microphone in	✓	Depth	244 mm
S/PDIF out port	✓	Height	35 mm
WiFi-AP antenna jack	2	Packaging content	
		Batteries included	✓
		Antenna included	✓
		Screws included	✓
		Bundled software	Norton® Internet Security (OEM version) LAN bandwidth management software
		Other features	
		Weight	2.4 kg
		Technical details	
		Warranty period	3 year(s)



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