

GIGABYTE X870 AORUS ELITE X3D ICE Motherboard

Brand : GIGABYTE

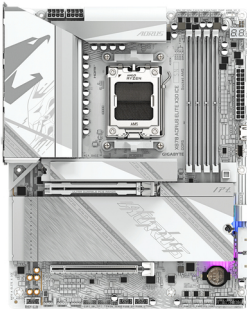
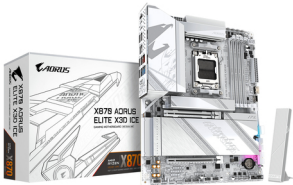
Product code: X870 A ELITE X ICE

Product name : X870 AORUS ELITE X3D ICE
Motherboard

Supports AMD Ryzen 9000 CPUs, 16+2+2 Phases Digital VRM, up to 9000Hz DDR5 (OC), 2xPCIe 5.0 + 2xPCIe 4.0, Wi-Fi 7, 2.5GbE LAN, USB 4

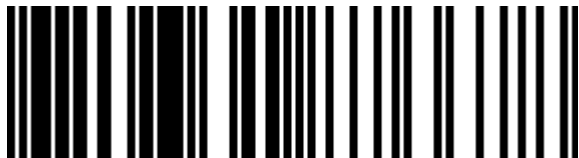
GIGABYTE X870 AORUS ELITE X3D ICE Motherboard:

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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, 5 Gigabit Ethernet, Fast Ethernet, Gigabit Ethernet
Memory		LAN controller	Realtek RTL8126
Supported memory types *	DDR5-SDRAM	Wi-Fi *	✓
Number of memory slots *	4	Top Wi-Fi standard	Wi-Fi 7 (802.11be)
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), Wi-Fi 7 (802.11be)
Memory channels	Dual-channel		
ECC compatibility	Non-ECC	WLAN controller model	Qualcomm QCNCM865
Supported memory clock speeds	9000,8800,8600,8400,8200,8000,7800,7600,7200,7000,6800,6600,6400,6200,6000,5600,5200,4800 MHz	Bluetooth	✓
Supported memory clock speed (max)	9000 MHz	Bluetooth version	5.4
Maximum internal memory *	256 GB	Features	
Unbuffered memory	✓	Motherboard chipset *	AMD X870
Maximum internal memory per slot	64 GB	Audio chip	Realtek ALC1220-VB
Storage controllers		Audio output channels *	7.1 channels
Supported storage drive types	HDD & SSD	Product colour	White
Supported storage drive interfaces *	M.2, PCI Express 4.0, PCI Express 5.0, SATA III	PC health monitoring	CPU, Fan, Temperature, Voltage, Water cooling
Number of HDDs supported	2	Component for *	PC
Number of storage drives supported	6	Motherboard form factor *	ATX
RAID support	✓	Motherboard chipset family *	AMD
RAID levels	0, 1, 5, 10	Cooling type	Passive
Graphics		Power source type	ATX
Parallel processing technology support *	Not supported	Windows operating systems supported	Windows 11 x64
Maximum resolution	4096 x 2304 pixels	Expansion slots	
HDCP	✓	PCI Express x16 (Gen 4.x) slots	1
HDCP version	2.3		
DirectX version	12.0		
Internal I/O			
USB 2.0 connectors *	2		
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2		

Internal I/O		Expansion slots	
USB 3.2 Gen 2x2 connectors	1	PCI Express x16 (Gen 5.x) slots	1
Number of SATA III connectors *	2	Number of M.2 (M) slots	4
Front panel audio connector	✓	1st M.2 largest key size	25110
Front panel connector	✓	1st M.2 highest PCI Express generation	5.0
ATX Power connector (24-pin)	✓	2nd M.2 largest key size	22110
CPU fan connector	✓	2nd M.2 highest PCI Express generation	5.0
Number of CPU fan connectors	2	3rd M.2 largest key size	22110
Number of chassis fan connectors	6	3rd M.2 highest PCI Express generation	4.0
EPS power connector (8-pin)	✓	4th M.2 largest key size	22110
Number of EPS power connectors (8-pin)	2	4th M.2 highest PCI Express generation	4.0
TPM connector	✓	BIOS	
Number of water pump connectors	3	BIOS type *	UEFI AMI
Number of temperature sensor headers	2	BIOS memory size	512 Mbit
Number of noise detection headers	1	ACPI version	5.0
RGB LED pin header	✓	Clear CMOS jumper	✓
Number of RGB LED pin headers	4	Clear CMOS button	✓
Rear panel I/O ports		Desktop Management Interface (DMI) version	2.7
USB 2.0 ports quantity *	1	System Management BIOS (SMBIOS) version	2.7
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Logistics data	
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2	Country of origin	China
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1	Products per shipping (inner) case	1 pc(s)
USB4 Gen 2x2 ports quantity	2	Battery	
Ethernet LAN (RJ-45) ports *	1	Battery weight	3 g
HDMI ports quantity *	1	Lithium weight per battery	0.07 g
HDMI version	2.1	Number of battery cells	1
DisplayPort version	1.4	Battery technology	Lithium-Manganese Dioxide (LiMnO2)
Headphone outputs	1	Battery type	CR2032
Line-in	✓	Packaging data	
S/PDIF out port	✓	Package width	335 mm
Digital audio optical out	1	Package depth	270 mm
		Package height	80 mm
		Package weight	2.71 kg
		Weight & dimensions	
		Width	305 mm
		Depth	244 mm
		Height	35 mm
		Packaging content	
		Batteries included	✓
		Antenna included	✓
		Screws included	✓
		Bundled software	Norton® Internet Security (OEM version)
		Other features	
		Weight	2.42 kg
		Technical details	
		Warranty period	3 year(s)



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