

## GIGABYTE X870E AORUS MASTER X3D ICE Motherboard - Supports AMD Ryzen 9000 CPUs, 18+2+2 Phases Digital VRM, up to 9000Hz DDR5 (OC), 2xPCIe 5.0 + 3xPCIe 4.0, Wi-Fi 7, 10GbE LAN, USB 4



**Brand :** GIGABYTE

**Product code:** X870E A MASTER X ICE

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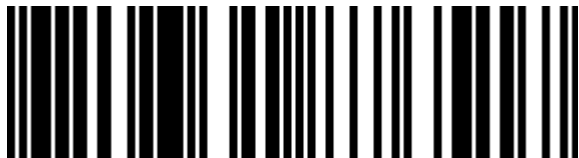
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Elevate your computing experience with GIGABYTE's renowned motherboard series: AORUS, AERO, and GIGABYTE. Featuring innovative designs and advanced features, these boards offer exceptional performance and reliability. Whether you're a gamer, content creator, or professional, our series cater to your needs, ensuring uncompromising quality and cutting-edge technology.

Processor		Network	
Processor manufacturer *	AMD	Ethernet LAN	✓
Processor socket *	Socket AM5	Ethernet interface type	2.5 Gigabit Ethernet, 5 Gigabit Ethernet, 10 Gigabit Ethernet, Fast Ethernet, Gigabit Ethernet
Compatible processor series *	AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series	LAN controller	Realtek RTL8126, Realtek RTL8127
Supported processor sockets	Socket AM5	Wi-Fi *	✓
<b>Memory</b> 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 * Unbuffered memory Maximum internal memory per slot	DDR5-SDRAM	Top Wi-Fi standard	Wi-Fi 7 (802.11be)
	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), Wi-Fi 6E (802.11ax), Wi-Fi 7 (802.11be)
	DIMM	WLAN controller model	MediaTek MT7927
	Dual-channel	Bluetooth	✓
	ECC & Non-ECC	Bluetooth version	5.4
	9000,8800,8600,8400,8200,8000,7800,7600,7200,7000,6800,6600,6400,6200,6000,5600,5200,4800 MHz	<b>Features</b>	
	9000 MHz	Motherboard chipset *	AMD X870E
	256 GB	Audio chip	Realtek ALC1220-VB/ESS 9118
	✓	Audio output channels *	7.1 channels
Maximum internal memory per slot	64 GB	Product colour	White
Storage controllers		PC health monitoring	CPU, Fan, Temperature, Voltage, Water cooling
Supported storage drive types	HDD & SSD	Component for *	PC
Supported storage drive interfaces *	M.2, PCI Express 4.0, PCI Express 5.0, SATA III	Motherboard form factor *	ATX
Number of HDDs supported	2	Motherboard chipset family *	AMD
Number of storage drives supported	7	Cooling type	Passive
RAID support	✓	Power source type	ATX
RAID levels	0, 1, 5, 10	Windows operating systems supported	Windows 11 x64
Graphics		Expansion slots	
Parallel processing technology support *	Not supported	PCI Express x16 (Gen 4.x) slots	1
Maximum resolution	4096 x 2304 pixels	PCI Express x16 (Gen 5.x) slots	2
HDCP	✓	Number of M.2 (M) slots	5
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	1st M.2 largest key size	2580
Number of SATA III connectors *	2	1st M.2 highest PCI Express generation	5.0
Front panel audio connector	✓	2nd M.2 largest key size	2280
Front panel connector	✓	2nd M.2 highest PCI Express generation	5.0
ATX Power connector (24-pin)	✓	3rd M.2 largest key size	2280
CPU fan connector	✓	3rd M.2 highest PCI Express generation	4.0
Number of CPU fan connectors	2	4th M.2 largest key size	2280
Number of chassis fan connectors	6	4th M.2 highest PCI Express generation	4.0
Chassis intrusion connector	✓	5th M.2 largest key size	2280
EPS power connector (8-pin)	✓	5th M.2 highest PCI Express generation	4.0
Number of EPS power connectors (8-pin)	3	<b>BIOS</b>	
TPM connector	✓	BIOS type *	UEFI AMI
Number of water pump connectors	2	BIOS memory size	512 Mbit
Number of temperature sensor headers	2	ACPI version	5.0
Number of noise detection headers	1	Clear CMOS jumper	✓
RGB LED pin header	✓	Clear CMOS button	✓
Number of RGB LED pin headers	5	Desktop Management Interface (DMI) version	2.7
Rear panel I/O ports		System Management BIOS (SMBIOS) version	2.7
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	7	<b>Logistics data</b>	
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1	Country of origin	Taiwan
USB 3.2 Gen 2x2 Type-C ports quantity	1	Products per shipping (inner) case	1 pc(s)
USB4 Gen 2x2 ports quantity	2	<b>Battery</b>	
Ethernet LAN (RJ-45) ports *	2	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	✓	<b>Packaging data</b>	
S/PDIF out port	✓	Package width	340 mm
Digital audio optical out	1	Package depth	310 mm
WiFi-AP antenna jack	2	Package height	92 mm
		Package weight	4.38 kg
		<b>Weight &amp; dimensions</b>	
		Width	305 mm
		Depth	244 mm
		Height	35 mm
		<b>Packaging content</b>	
		Batteries included	✓
		Antenna included	✓
		Screws included	✓
		Bundled software	Norton® Internet Security (OEM version)
		<b>Other features</b>	
		Weight	3.82 kg
		<b>Technical details</b>	
		Warranty period	3 year(s)



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### Catalog Object Cloud



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