

## GIGABYTE X870E AORUS ELITE X3D 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, 5GbE LAN, USB 4

**Brand :** GIGABYTE

**Product code:** X870E A ELITE X



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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, Fast Ethernet, Gigabit Ethernet
Compatible processor series *	AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series	LAN controller	Realtek RTL8126
Supported processor sockets	Socket AM5	Wi-Fi *	Wi-Fi 7 (802.11be)
<b>Memory</b>		Top Wi-Fi standard	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)
Supported memory types *	DDR5-SDRAM	Wi-Fi standards	Qualcomm QCNCM865
Number of memory slots *	4	WLAN controller model	
Memory slots type	DIMM	Bluetooth	✓
Memory channels	Dual-channel	Bluetooth version	5.4
ECC compatibility	Non-ECC		
Supported memory clock speeds	9000,8800,8600,8400,8200,8000,7800,7600,7200,7000,6800,6600,6400,6200,6000,5600,5200,4800 MHz		
Supported memory clock speed (max)	9000 MHz		
Maximum internal memory *	256 GB		
Unbuffered memory	✓		
Maximum internal memory per slot	64 GB		
Storage controllers		Features	
Supported storage drive types	HDD & SSD	Motherboard chipset *	AMD X870E
Supported storage drive interfaces *	M.2, PCI Express 4.0, PCI Express 5.0, SATA III	Audio chip	Realtek ALC1220-VB
Number of HDDs supported	4	Audio output channels *	7.1 channels
Number of storage drives supported	8	Product colour	Black
RAID support	✓	PC health monitoring	CPU, Fan, Temperature, Voltage, Water cooling
RAID levels	0, 1, 5, 10	Component for *	PC
<b>Graphics</b>		Motherboard form factor *	ATX
Parallel processing technology support *	Not supported	Motherboard chipset family *	AMD
Maximum resolution	4096 x 2304 pixels	Cooling type	Passive
HDCP	✓	Power source type	ATX
DirectX version	12.0	Windows operating systems supported	Windows 11 x64
Internal I/O		Expansion slots	
USB 2.0 connectors *	2	PCI Express x16 (Gen 3.x) slots	1
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2	PCI Express x16 (Gen 4.x) slots	1
USB 3.2 Gen 2x2 connectors	1	PCI Express x16 (Gen 5.x) slots	1
		Number of M.2 (M) slots	4

<b>Internal I/O</b>		<b>Expansion slots</b>	
Number of SATA III connectors *	4	1st M.2 largest key size	25110
Front panel audio connector	✓	1st M.2 highest PCI Express generation	5.0
Front panel connector	✓	2nd M.2 largest key size	22110
ATX Power connector (24-pin)	✓	2nd M.2 highest PCI Express generation	5.0
CPU fan connector	✓	3rd M.2 largest key size	22110
Number of CPU fan connectors	2	3rd M.2 highest PCI Express generation	4.0
Number of chassis fan connectors	6	4th M.2 largest key size	22110
EPS power connector (8-pin)	✓	4th M.2 highest PCI Express generation	4.0
Number of EPS power connectors (8-pin)	2		
TPM connector	✓		
Number of water pump connectors	3		
Number of temperature sensor headers	2		
Number of noise detection headers	1		
RGB LED pin header	✓		
Number of RGB LED pin headers	4		
<b>Rear panel I/O ports</b>		<b>BIOS</b>	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3	BIOS type *	UEFI AMI
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	5	BIOS memory size	512 Mbit
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1	ACPI version	5.0
USB4 Gen 2x2 ports quantity	2	Clear CMOS jumper	✓
Ethernet LAN (RJ-45) ports *	1	Clear CMOS button	✓
HDMI ports quantity *	1	Desktop Management Interface (DMI) version	2.7
HDMI version	2.1	System Management BIOS (SMBIOS) version	2.7
DisplayPort version	1.4		
Headphone outputs	1		
Line-in	✓		
S/PDIF out port	✓		
Digital audio optical out	1		
WiFi-AP antenna jack	2		
<b>Logistics data</b>		<b>Battery</b>	
		Country of origin	China
		Products per shipping (inner) case	1 pc(s)
<b>Packaging data</b>		<b>Packaging</b>	
		Battery weight	3 g
		Lithium weight per battery	0.07 g
		Number of battery cells	1
		Battery technology	Lithium-Manganese Dioxide (LiMnO2)
		Battery type	CR2032
<b>Weight &amp; dimensions</b>		<b>Weight &amp; dimensions</b>	
		Package width	345 mm
		Package depth	294 mm
		Package height	80 mm
		Package weight	3.41 kg
<b>Packaging content</b>		<b>Weight &amp; dimensions</b>	
		Width	305 mm
		Depth	244 mm
		Height	35 mm
<b>Other features</b>		<b>Packaging content</b>	
		Batteries included	✓
		Antenna included	✓
		Screws included	✓
		Bundled software	Norton® Internet Security (OEM version)
<b>Technical details</b>		<b>Other features</b>	
		Weight	2.98 kg
		Warranty period	3 year(s)



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### Catalog Object Cloud



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