

GIGABYTE X870E AORUS XTREME X3D AI TOP Motherboard - Supports AMD Ryzen 9000 Series CPUs, 24+2+2 phases VRM, up to 9000MHz DDR5 (OC), 2xPCIe 5.0 M.2 + 3xPCIe 4.0 M.2, WI-FI 7, 10GbE LAN, USB 4



Brand : GIGABYTE

Product code: X870E A XTR X AI TOP

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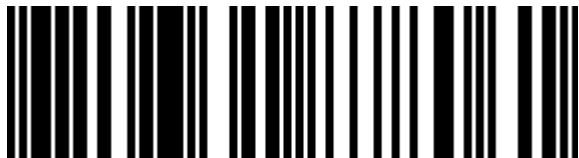
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Elevate your computing experience with GIGABYTE's renowned motherboard series: AORUS, AERO, and GIGABYTE. Featuring innovative designs and advanced features, these boards offer exceptional performance and reliability. Whether you're a gamer, content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

Processor		Network	
Processor manufacturer *	AMD	Ethernet interface type	10 Gigabit Ethernet
Processor socket *	Socket AM5	LAN controller	Realtek RTL8127
Compatible processor series *	AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series	Wi-Fi *	✓
		Top Wi-Fi standard	Wi-Fi 7 (802.11be)
Supported processor sockets	Socket AM5	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
Supported memory types *	DDR5-SDRAM	Bluetooth	✓
Number of memory slots *	4	Bluetooth version	5.4
Memory slots type	DIMM		
Memory channels	Dual-channel		
ECC compatibility	Non-ECC		
Supported memory clock speeds	9000,8800,8600,8400,8000,7800,7600,7200,7000,6800,6600,6400,6200,6000,5600,5200,4800,4400 MHz		
Supported memory clock speed (max)	9000 MHz		
Maximum internal memory *	256 GB		
Unbuffered memory	✓		
Maximum internal memory per slot	64 GB		
Storage controllers			
Supported storage drive types	HDD & SSD		
Supported storage drive interfaces *	M.2, SATA III		
Number of HDDs supported	2		
Number of storage drives supported	7		
RAID support	✓		
RAID levels	0, 1, 5, 10		
Graphics			
Parallel processing technology support *	Not supported		
Maximum resolution	4096 x 2160 pixels		
HDCP	✓		
HDCP version	2.3		
DirectX version	12.0		
Internal I/O			
USB 2.0 connectors *	1		
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2		
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1		

Features	
Motherboard chipset *	AMD X870E
Audio chip	1 ESS ES9280AC + 2 ESS ES9080
Audio output channels *	7.1 channels
Product colour	Black
PC health monitoring	Fan, Temperature, Voltage, Water cooling
Component for *	PC
Motherboard form factor *	Extended ATX
Motherboard chipset family *	AMD
Cooling type	Passive
Power source type	ATX
Windows operating systems supported	Windows 11 x64
Expansion slots	
PCI Express x16 (Gen 4.x) slots	1
PCI Express x16 (Gen 5.x) slots	2
Number of M.2 (M) slots	5
1st M.2 largest key size	2580
1st M.2 highest PCI Express generation	5.0
2nd M.2 largest key size	22110

Internal I/O		Expansion slots	
USB 3.2 Gen 2x2 connectors	1	2nd M.2 highest PCI Express generation	5.0
Number of SATA III connectors *	2	3rd M.2 largest key size	22110
Front panel audio connector	✓	3rd M.2 highest PCI Express generation	4.0
Front panel connector	✓	4th M.2 largest key size	22110
ATX Power connector (24-pin)	✓	4th M.2 highest PCI Express generation	4.0
CPU fan connector	✓	5th M.2 largest key size	2280
Number of CPU fan connectors	2	5th M.2 highest PCI Express generation	4.0
Number of chassis fan connectors	3	BIOS	
EPS power connector (8-pin)	✓	BIOS type *	UEFI AMI
Number of EPS power connectors (8-pin)	2	BIOS memory size	512 Mbit
Number of water pump connectors	3	ACPI version	5.0
Number of temperature sensor headers	2	Clear CMOS button	✓
RGB LED pin header	✓	Desktop Management Interface (DMI) version	2.7
Number of RGB LED pin headers	1	System Management BIOS (SMBIOS) version	2.7
Rear panel I/O ports		Logistics data	
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	8	Country of origin	Taiwan
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1	Products per shipping (inner) case	1 pc(s)
USB 3.2 Gen 2x2 Type-C ports quantity	1	Battery	
USB4 Gen 2x2 ports quantity	2	Battery weight	3 g
Ethernet LAN (RJ-45) ports *	2	Lithium weight per battery	0.07 g
HDMI ports quantity *	1	Number of battery cells	1
HDMI version	2.1	Battery capacity	220 mAh
DisplayPort version	1.4	Battery technology	Lithium-Manganese Dioxide (LiMnO2)
Line-in	✓	Battery type	CR2032
Microphone in	✓	Packaging data	
S/PDIF out port	✓	Package width	387 mm
Digital audio optical out	1	Package depth	387 mm
WiFi-AP antenna jack	2	Package height	167 mm
Network		Package weight	11.2 kg
Ethernet LAN	✓	Weight & dimensions	
		Width	305 mm
		Depth	285 mm
		Height	35 mm
		Packaging content	
		Batteries included	✓
		Antenna included	✓
		Screws included	✓
		Bundled software	Norton® Internet Security (OEM version)
		Other features	
		Weight	8.02 kg
		Technical details	
		Warranty period	3 year(s)



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