

GIGABYTE X870E AORUS XTREME AI TOP Motherboard - Supports AMD Ryzen 9000 Series CPUs, 18+2+2 phases VRM, up to 8800MHz DDR5 (OC), 1xPCIe 5.0 M.2 + 3xPCIe 4.0 M.2, WI-FI 7, 10GbE LAN, USB 4



Brand : GIGABYTE

Product code: X870E A XTREME AI TOP

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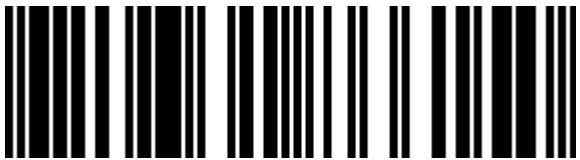
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Elevate your computing experience with GIGABYTE's renowned motherboard series: AORUS, AERO, and GIGABYTE. Featuring innovative designs and advanced features, these boards offer exceptional performance and reliability. Whether you're a gamer, content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

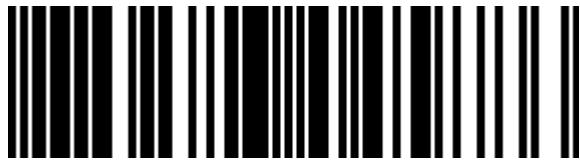


Processor		Network	
Processor manufacturer *	AMD	Wi-Fi *	✓
Processor socket *	Socket AM5	Top Wi-Fi standard	Wi-Fi 7 (802.11be)
Compatible processor series *	AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series	Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax), Wi-Fi 6E (802.11ax), Wi-Fi 7 (802.11be)
Supported processor sockets	Socket AM5	WLAN controller model	Qualcomm QCNCM865
Memory		Bluetooth	✓
Supported memory types *	DDR5-SDRAM	Bluetooth version	5.3
Number of memory slots *	4		
Memory slots type	DIMM		
Memory channels	Dual-channel		
ECC compatibility	ECC & Non-ECC		
Supported memory clock speeds (max)	8800, 8600, 8400, 8266, 8200, 8000, 7950, 7900, 7800, 7600, 7400, 7200, 7000, 6800, 6600, 6400, 6200, 6000, 5800, 5600, 5200, 4800, 4400 MHz		
Supported memory clock speed (max)	8800 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, SATA III	Audio chip	Realtek ALC1220
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	Fan, Temperature, Voltage, Water cooling
RAID levels	0, 1, 10	Component for *	PC
Graphics		Motherboard form factor *	Extended ATX
Parallel processing technology support *	Not supported	Motherboard chipset family *	AMD
Maximum resolution	4096 x 2160 pixels	Power source type	ATX
HDCP	✓	Windows operating systems supported	Windows 11 x64
DirectX version	12.0	Expansion slots	
Internal I/O		PCI Express x16 (Gen 4.x) slots	1
USB 2.0 connectors *	2	PCI Express x16 (Gen 5.x) slots	2
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2	Number of M.2 (M) slots	4
USB 3.2 Gen 2x2 connectors	1	1st M.2 largest key size	25110
Number of SATA III connectors *	4	1st M.2 highest PCI Express generation	5.0
		2nd M.2 largest key size	22110
		2nd M.2 highest PCI Express generation	4.0

Internal I/O		Expansion slots	
Front panel audio connector	✓	3rd M.2 largest key size	22110
Front panel connector	✓	3rd M.2 highest PCI Express generation	4.0
ATX Power connector (24-pin)	✓	4th M.2 largest key size	22110
CPU fan connector	✓	4th M.2 highest PCI Express generation	4.0
Number of CPU fan connectors	1		
Number of chassis fan connectors	8		
EPS power connector (8-pin)	✓		
Number of EPS power connectors (8-pin)	2		
TPM connector	✓		
Number of water pump connectors	5		
RGB LED pin header	✓		
Number of RGB LED pin headers	4		
Rear panel I/O ports		System Management BIOS (SMBIOS) version	
USB 2.0 ports quantity *	2		
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	6		
USB4 Gen 2x2 ports quantity	2		
Ethernet LAN (RJ-45) ports *	2		
HDMI ports quantity *	1		
HDMI version	2.1		
DisplayPort version	1.4		
Line-in	✓		
Microphone in	✓		
S/PDIF out port	✓		
WiFi-AP antenna jack	2		
Network		Logistics data	
Ethernet LAN	✓	Country of origin	Taiwan
Ethernet interface type	10 Gigabit Ethernet	Products per shipping (inner) case	1 pc(s)
LAN controller	Marvell AQtion AQC113C		
Battery		Battery	
		Battery weight	3 g
		Lithium weight per battery	0.07 g
		Number of battery cells	1
		Battery technology	Lithium-Manganese Dioxide (LiMnO ₂)
		Battery type	CR2032
Packaging data		Packaging data	
		Package width	381 mm
		Package depth	311 mm
		Package height	107 mm
		Package weight	4.5 kg
Weight & dimensions		Weight & dimensions	
		Width	305 mm
		Depth	269 mm
		Height	35 mm
Packaging content		Packaging content	
		Batteries included	✓
		Antenna included	✓
		Screws included	✓
		Bundled software	Norton® Internet Security (OEM version) LAN bandwidth management software
Other features		Other features	
		Weight	3.76 kg
Technical details		Technical details	
		Warranty period	3 year(s)



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Catalog Object Cloud



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