

## 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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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 QCNM865
<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	Bluetooth	✓
	4	Bluetooth version	5.3
	DIMM	<b>Features</b>	
	Dual-channel	Motherboard chipset *	AMD X870E
	ECC & Non-ECC	Audio chip	Realtek ALC1220
	8800, 8600, 8400, 8266, 8200, 8000, 7950, 7900, 7800, 7600, 7400, 7200, 7000, 6800, 6600, 6400, 6200, 6000, 5800, 5600, 5200, 4800, 4400 MHz	Audio output channels *	7.1 channels
	8800 MHz	Product colour	Black
<b>Storage controllers</b>		PC health monitoring	Fan, Temperature, Voltage, Water cooling
Supported storage drive types	HDD & SSD	Component for *	PC
Supported storage drive interfaces *	M.2, SATA III	Motherboard form factor *	Extended ATX
Number of HDDs supported	4	Motherboard chipset family *	AMD
Number of storage drives supported	8	Power source type	ATX
RAID support	✓	Windows operating systems supported	Windows 11 x64
RAID levels	0, 1, 10	<b>Expansion slots</b>	
<b>Graphics</b>		PCI Express x16 (Gen 4.x) slots	1
Parallel processing technology support *	Not supported	PCI Express x16 (Gen 5.x) slots	2
Maximum resolution	4096 x 2160 pixels	Number of M.2 (M) slots	4
HDCP	✓	1st M.2 largest key size	25110
DirectX version	12.0	1st M.2 highest PCI Express generation	5.0
<b>Internal I/O</b>		2nd M.2 largest key size	22110
USB 2.0 connectors *	2	2nd M.2 highest PCI Express generation	4.0
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2		
USB 3.2 Gen 2x2 connectors	1		
Number of SATA III connectors *	4		

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	<b>BIOS</b>	
Number of chassis fan connectors	8	BIOS type *	UEFI AMI
EPS power connector (8-pin)	✓	BIOS memory size	256 Mbit
Number of EPS power connectors (8-pin)	2	ACPI version	5.0
TPM connector	✓	Clear CMOS jumper	✓
Number of water pump connectors	5	Clear CMOS button	✓
RGB LED pin header	✓	Desktop Management Interface (DMI) version	2.7
Number of RGB LED pin headers	4	System Management BIOS (SMBIOS) version	2.7
Rear panel I/O ports		Logistics data	
USB 2.0 ports quantity *	2	Country of origin	Taiwan
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	6	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)
Line-in	✓	Battery type	CR2032
Microphone in	✓	<b>Packaging data</b>	
S/PDIF out port	✓	Package width	381 mm
WiFi-AP antenna jack	2	Package depth	311 mm
Network		Package height	107 mm
Ethernet LAN	✓	Package weight	4.5 kg
Ethernet interface type	10 Gigabit Ethernet	<b>Weight &amp; dimensions</b>	
LAN controller	Marvell AQtion AQC113C	Width	305 mm
		Depth	269 mm
		Height	35 mm
		Packaging content	
		Batteries included	✓
		Antenna included	✓
		Screws included	✓
		Bundled software	Norton® Internet Security (OEM version) LAN bandwidth management software
		Other features	
		Weight	3.76 kg
		Technical details	
		Warranty period	3 year(s)



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### Catalog Object Cloud



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