

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 QCNCM865
Memory	Supported memory types *	Bluetooth	✓
	Number of memory slots *	Bluetooth version	5.3
	Memory slots type	Features	
	Memory channels	Motherboard chipset *	AMD X870E
	ECC compatibility	Audio chip	Realtek ALC1220
	Supported memory clock speeds	Audio output channels *	7.1 channels
	Supported memory clock speed (max)	Product colour	Black
Storage controllers		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	Expansion slots	
Graphics		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
Internal I/O		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	BIOS	
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	Battery	
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	✓	Packaging data	
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	Weight & dimensions	
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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