

ASUS ROG CROSSHAIR X870E APEX AMD X870E Socket AM5 ATX

Brand : ASUS

Product code: 90MB1KR0-M0EAY0

Product name : ROG CROSSHAIR X870E APEX

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ASUS ROG CROSSHAIR X870E APEX AMD X870E Socket AM5 ATX:

AMD X870E (AM5 Socket) ATX motherboard, Advanced AI PC-ready, 18+2+2 power stages, Dynamic OC Switcher, Core Flex, DDR5 slots with AEMP, ROG Memory Fan Kit for DDR5 overclocking, Wi-Fi 7 with ASUS WiFi Q-Antenna, three PCIe® 5.0 M.2 slots onboard, two PCIe 4.0 slots on an ROG DIMM.2 card, PCIe® 5.0 x16 SafeSlots with PCIe® Slot Q-Release Slim and full support for next-gen graphics cards, two USB4® ports, two USB 20Gbps Type-C® front-panel connectors (one with Quick Charge 4+ up to 60W and USB Wattage Watcher), AI Overclocking, AI Cooling II, and AI Networking II



Processor		Network	
Processor manufacturer *	AMD	Ethernet LAN	✓
Processor socket *	Socket AM5	Ethernet interface type	5 Gigabit Ethernet
Compatible processor series *	AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series	Wi-Fi *	✓
Supported processor sockets	Socket AM5	Top Wi-Fi standard	Wi-Fi 7 (802.11be)
Memory		Wi-Fi standards	Wi-Fi 7 (802.11be)
		Bluetooth	✓
		Bluetooth version	5.4
		Features	
Supported memory types *	DDR5-SDRAM	Motherboard chipset *	AMD X870E
Number of memory slots *	2	Audio output channels *	7.1 channels
Memory slots type	DIMM	Product colour	Black
Memory channels	Dual-channel	Component for *	PC
ECC compatibility	ECC & Non-ECC	Motherboard form factor *	ATX
Maximum internal memory *	128 GB	Motherboard chipset family *	AMD
Unbuffered memory	✓	Windows operating systems supported	Windows 11
Storage controllers		Expansion slots	
Supported storage drive types	HDD & SSD	PCI Express x1 (Gen 3.x) slots	1
Supported storage drive interfaces *	M.2, SATA III	PCI Express x4 (Gen 4.x) slots	1
Number of HDDs supported	4	PCI Express x16 (Gen 4.x) slots	2
Number of storage drives supported	9	PCI Express x16 (Gen 5.x) slots	2
RAID support	✓	Number of M.2 (M) slots	5
RAID levels	0, 1, 5, 10	1st M.2 largest key size	2280
Graphics		1st M.2 highest PCI Express generation	5.0
Parallel processing technology support *	Not supported	2nd M.2 largest key size	2280
On-board graphics card	✗	2nd M.2 highest PCI Express generation	5.0
Internal I/O			
USB 2.0 connectors *	2		

Internal I/O		Expansion slots	
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2	3rd M.2 largest key size	2280
USB 3.2 Gen 2x2 connectors	2	3rd M.2 highest PCI Express generation	5.0
Number of SATA III connectors *	4	4th M.2 largest key size	22110
Front panel audio connector	✓	4th M.2 highest PCI Express generation	4.0
Front panel connector	✓	5th M.2 largest key size	22110
ATX Power connector (24-pin)	✓	5th M.2 highest PCI Express generation	4.0
CPU fan connector	✓	BIOS	
Number of chassis fan connectors	2	BIOS type *	UEFI AMI
EPS power connector (8-pin)	✓	BIOS memory size	512 Mbit
12V power connector	✓	Packaging data	
RGB LED pin header	✓	Package width	370 mm
Number of RGB LED pin headers	3	Package depth	312 mm
Rear panel I/O ports		Package height	108 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Package weight	4.16 kg
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	5	Weight & dimensions	
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1	Width	305 mm
USB4 Gen 3x2 ports quantity	2	Depth	244 mm
Ethernet LAN (RJ-45) ports *	1	Packaging content	
PS/2 ports quantity	1	Cables included	SATA
S/PDIF out port	✓	Antenna included	✓
WiFi-AP antenna jack	1	Screws included	✓
		Drivers included	✓



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Catalog Object Cloud



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