

ASUS ROG CROSSHAIR X870E APEX AMD X870E Socket AM5 ATX

Brand : ASUS

Product code: 90MB1KR0-M0EAY0

Product name : ROG CROSSHAIR X870E APEX

ROG CROSSHAIR X870E APEX Gaming AMD AM5 (Ryzen 9000, ATX, PCIe 5.0, DDR 5, WiFi 7, AI Overclocking, PCIe Q-Release, Aura Sync)

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ROG Crosshair X870E APEX

The AI PC-ready ROG Crosshair X870E Apex is built for world-record overclocking, courtesy of extensive BIOS features and the exotic cooling of the ROG-exclusive Memory Fan Kit. Beyond its overclocking prowess, it delivers comprehensive support for cutting-edge graphics cards and storage, making it the ultimate platform for AM5 AMD Ryzen™ performance enthusiasts.



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	Component for *	PC
Memory channels	Dual-channel	Motherboard form factor *	ATX
ECC compatibility	ECC & Non-ECC	Motherboard chipset family *	AMD
Maximum internal memory *	128 GB	Windows operating systems supported	Windows 11
Unbuffered memory	✓	Expansion slots	
Storage controllers		PCI Express x1 (Gen 3.x) slots	1
Supported storage drive types	HDD & SSD	PCI Express x4 (Gen 4.x) slots	1
Supported storage drive interfaces *	M.2, SATA III	PCI Express x16 (Gen 4.x) slots	2
Number of HDDs supported	4	PCI Express x16 (Gen 5.x) slots	2
Number of storage drives supported	9	Number of M.2 (M) slots	5
RAID support	✓	1st M.2 largest key size	2280
RAID levels	0, 1, 5, 10	1st M.2 highest PCI Express generation	5.0
Graphics			
Parallel processing technology support *	Not supported		

Internal I/O		Expansion slots	
USB 2.0 connectors *	2	2nd M.2 largest key size	2280
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2	2nd M.2 highest PCI Express generation	5.0
USB 3.2 Gen 2x2 connectors	2	3rd M.2 largest key size	2280
Number of SATA III connectors *	4	3rd M.2 highest PCI Express generation	5.0
Front panel audio connector	✓	4th M.2 largest key size	22110
Front panel connector	✓	4th M.2 highest PCI Express generation	4.0
ATX Power connector (24-pin)	✓	5th M.2 largest key size	22110
CPU fan connector	✓	5th M.2 highest PCI Express generation	4.0
Number of chassis fan connectors	2	BIOS	
EPS power connector (8-pin)	✓		
12V power connector	✓	BIOS type *	UEFI AMI
RGB LED pin header	✓	BIOS memory size	512 Mbit
Number of RGB LED pin headers	3	Packaging data	
Rear panel I/O ports		Package width	370 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Package depth	312 mm
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	5	Package height	108 mm
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	1	Package weight	4.16 kg
USB4 Gen 3x2 ports quantity	2	Weight & dimensions	
Ethernet LAN (RJ-45) ports *	1	Width	305 mm
PS/2 ports quantity	1	Depth	244 mm
S/PDIF out port	✓	Packaging content	
WiFi-AP antenna jack	1	Cables included	SATA
		Antenna included	✓
		Screws included	✓
		Drivers included	✓



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