

## ASUS ROG CROSSHAIR X870E EXTREME AMD X870E Socket AM5 Extended ATX

**Brand :** ASUS

**Product code:** 90MB1LB0-M0EAY0

**Product name :** ROG CROSSHAIR X870E EXTREME

ROG CROSSHAIR X870E EXTREME AMD AM5 (Ryzen 9000, E-ATX, 3x PCIe 5.0, 2x PCIe 4.0, DDR 5, WiFi 7, AI Overclocking, PCIe Q-Release, Aura Sync)

ASUS ROG CROSSHAIR X870E EXTREME AMD X870E Socket AM5 Extended ATX:

### ROG Crosshair X870E Extreme

The ROG Crosshair X870E Extreme is the flagship AMD Ryzen™ 9000 series motherboard, designed for the most discerning users. It provides the ultimate foundation for AM5 CPUs, DDR5 memory, and PCIe® 5.0 components to ensure maximum performance and future-readiness. Its comprehensive connectivity includes USB4®, and the integrated 5-inch LCD offers a unique way to monitor system performance or add a touch of personalized style.

### ASUS AI CACHE BOOST

Supercharge your large language model(LLM) workflows with AI Cache Boost. Exclusive to ASUS AMD 800 Series and 600 Series motherboards using AMD Ryzen™ 9000 Series Granite Ridge CPUs, this BIOS feature intelligently enhances cache efficiency, delivering up to 12.75% faster performance for your LLM tasks.



Processor		Network	
Processor manufacturer *	AMD	Ethernet LAN	✓
Processor socket *	Socket AM5	Ethernet interface type	5 Gigabit Ethernet, 10 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)
Supported memory types *	DDR5-SDRAM	Bluetooth	✓
Number of memory slots *	4	Bluetooth version	5.4
Memory slots type	DIMM	Features	
Memory channels	Dual-channel	Motherboard chipset *	AMD X870E
ECC compatibility	ECC & Non-ECC	Audio chip	Realtek ALC4082
Maximum internal memory *	256 GB	Audio output channels *	7.1 channels
Unbuffered memory	✓	Product colour	Black
Storage controllers		Component for *	PC
Supported storage drive types	HDD & SSD	Motherboard form factor *	Extended ATX
Supported storage drive interfaces *	M.2, SATA III, SlimSAS	Motherboard chipset family *	AMD
Number of storage drives supported	10	Windows operating systems supported	Windows 11
RAID support	✓	Expansion slots	
RAID levels	0, 1, 5, 10	PCI Express x16 (Gen 4.x) slots	2
Graphics		PCI Express x16 (Gen 5.x) slots	2
Parallel processing technology support *	Not supported	Number of M.2 (M) slots	5
On-board graphics card	✗	1st M.2 largest key size	22110
Internal I/O		1st M.2 highest PCI Express generation	5.0
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
		3rd M.2 largest key size	22110

Internal I/O		Expansion slots	
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	1	3rd M.2 highest PCI Express generation	5.0
USB 3.2 Gen 2x2 connectors	1	4th M.2 largest key size	22110
Number of SATA III connectors *	4	4th M.2 highest PCI Express generation	4.0
Front panel audio connector	✓	5th M.2 largest key size	22110
Front panel connector	✓	5th M.2 highest PCI Express generation	4.0
ATX Power connector (24-pin)	✓	BIOS	
CPU fan connector	✓	BIOS type *	UEFI AMI
Number of chassis fan connectors	2	BIOS memory size	512 Mbit
EPS power connector (8-pin)	✓	Packaging data	
12V power connector	✓	Package width	380 mm
RGB LED pin header	✓	Package depth	320 mm
Rear panel I/O ports		Package height	125 mm
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	8	Package weight	5.66 kg
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	2	Weight & dimensions	
USB4 Gen 3x2 ports quantity	2	Width	305 mm
Ethernet LAN (RJ-45) ports *	2	Depth	277 mm
PS/2 ports quantity	1	Packaging content	
HDMI ports quantity *	1	Cables included	SATA
S/PDIF out port	✓	Antenna included	✓
WiFi-AP antenna jack	1	Drivers included	✓



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### Catalog Object Cloud



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