

## ASUS ROG CROSSHAIR X870E HERO AMD X870E Socket AM5 ATX

**Brand :** ASUS

**Product code:** 90MB1IE0-M0AAY0

**Product name :** ROG CROSSHAIR X870E HERO

### ROG CROSSHAIR X870E HERO

ASUS ROG CROSSHAIR X870E HERO. Processor manufacturer: AMD, Processor socket: Socket AM5, Compatible processor series: AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series. Supported memory types: DDR5-SDRAM, Maximum internal memory: 192 GB, Memory slots type: DIMM. Supported storage drive interfaces: M.2, SATA III, SlimSAS, Supported storage drive types: HDD & SSD, RAID levels: 0, 1, 5, 10. DisplayPort version: 1.4a. Ethernet interface type: 2.5 Gigabit Ethernet, 5 Gigabit Ethernet, Top Wi-Fi standard: Wi-Fi 7 (802.11be), 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...



Processor		Rear panel I/O ports	
Processor manufacturer *	AMD	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	2
Processor socket *	Socket AM5	USB4 Gen 2x2 ports quantity	2
Compatible processor series *	AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series	Ethernet LAN (RJ-45) ports *	2
Supported processor sockets	Socket AM5	HDMI ports quantity *	1
		HDMI version	2.1
		DisplayPort version	1.4a
		Headphone outputs	1
		Line-in	✓
		Microphone in	✓
		S/PDIF out port	✓
		WiFi-AP antenna jack	2
Memory		Network	
Supported memory types *	DDR5-SDRAM	Ethernet LAN	✓
Number of memory slots *	4	Ethernet interface type	2.5 Gigabit Ethernet, 5 Gigabit Ethernet
Memory slots type	DIMM	Wi-Fi *	✓
Memory channels	Dual-channel	Top Wi-Fi standard	Wi-Fi 7 (802.11be)
ECC compatibility	ECC & Non-ECC	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 memory clock speed (max)	8600 MHz	Bluetooth	✓
Maximum internal memory *	192 GB	Bluetooth version	5.4
Unbuffered memory	✓	Features	
Storage controllers		Motherboard chipset *	AMD X870E
Supported storage drive types	HDD & SSD	Audio chip	Realtek ALC4082
Supported storage drive interfaces *	M.2, SATA III, SlimSAS	Audio output channels *	7.1 channels
Number of HDDs supported	4		
Number of storage drives supported	10		
RAID support	✓		
RAID levels	0, 1, 5, 10		
Graphics			
Parallel processing technology support *	Not supported		
On-board graphics card	✗		

Internal I/O		Features	
USB 2.0 connectors *	2	Product colour	Black
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2	Component for *	PC
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	2	Motherboard form factor *	ATX
Number of SATA III connectors *	4	Motherboard chipset family *	AMD
Front panel audio connector	✓	Cooling type	Passive
ATX Power connector (24-pin)	✓	Power source type	ATX
CPU fan connector	✓	Windows operating systems supported	Windows 11
Number of chassis fan connectors	4	<b>Expansion slots</b>	
EPS power connector (8-pin)	✓	PCI Express x16 (Gen 5.x) slots	2
12V power connector	✓	Number of M.2 (M) slots	5
RGB LED pin header	✓	<b>BIOS</b>	
<b>Rear panel I/O ports</b>		BIOS type *	UEFI AMI
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	6	BIOS memory size	256 Mbit
		<b>Weight &amp; dimensions</b>	
		Width	305 mm
		Depth	244 mm
		<b>Packaging content</b>	
		Cables included	SATA
		<b>Other features</b>	
		Quick installation guide	✓
		Back-to-BIOS button	✓

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.

Publication date: 09-MAR-2025. Prints or copies of Information are only valid on the printed Publication date