

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

**Brand :** ASUS

**Product code:** 90MB1NQ0-M0EAY0

**Product name :** ROG CROSSHAIR X870E GLACIAL

ROG CROSSHAIR X870E GLACIAL Gaming AMD AM5 (E-ATX, Advanced AI, DDR5, 10G Ethernet, WiFi 7, 2x PCIe 5.0 NVMe SSD, 2x PCIe 4.0 M.2, 12x USB 10Gbps)

**ASUS ROG CROSSHAIR X870E GLACIAL AMD X870E Socket AM5 Extended ATX:**

The ROG X870E Glacial is a flagship motherboard engineered for uncompromising performance and sophisticated AI. It boasts a robust 24+2+2 power stage design, Dynamic OC Switcher, and Core Flex for next-generation overclocking control. Meanwhile, advanced memory tuning is unlocked through server-grade DRAM enhancement and NitroPath DRAM technology, and storage scales with support for up to seven M.2 drives. Top-tier connectivity includes two 10G Ethernet ports, two USB4® ports, and two USB 20Gbps Type-C® front-panel connectors. This motherboard also features a 3D VC M.2 heatsink and a 5-inch LCD display, along with AI Cache Boost and AI Advisor for smarter, more intuitive system tuning.



<b>Processor</b>		<b>Rear panel I/O ports</b>	
Processor manufacturer *	AMD	Microphone in	✓
Processor socket *	Socket AM5	S/PDIF out port	✓
Compatible processor series *	AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series	WiFi-AP antenna jack	1
Supported processor sockets	Socket AM5	<b>Network</b>	
<b>Memory</b>		Ethernet LAN	✓
Supported memory types *	DDR5-SDRAM	Ethernet interface type	10 Gigabit Ethernet
Number of memory slots *	4	Wi-Fi *	✓
Memory slots type	DIMM	Top Wi-Fi standard	Wi-Fi 7 (802.11be)
Memory channels	Dual-channel	Wi-Fi standards	Wi-Fi 7 (802.11be)
ECC compatibility	ECC & Non-ECC	WLAN controller model	MediaTek MT7927
Maximum internal memory *	256 GB	Bluetooth	✓
Unbuffered memory	✓	Bluetooth version	5.4
<b>Storage controllers</b>		<b>Features</b>	
Supported storage drive types	HDD & SSD	Motherboard chipset *	AMD X870E
Supported storage drive interfaces *	M.2, SATA III	Audio chip	Realtek ALC4082
Number of HDDs supported	4	Audio output channels *	7.1 channels
Number of storage drives supported	11	Product colour	White
RAID support	✓	Component for *	PC
RAID levels	0, 1, 5, 10	Motherboard form factor *	Extended ATX
<b>Graphics</b>		Motherboard chipset family *	AMD
Parallel processing technology support *	Not supported	Windows operating systems supported	Windows 11
On-board graphics card	✗	<b>Expansion slots</b>	
<b>Internal I/O</b>		PCI Express x16 (Gen 4.x) slots	2
USB 2.0 connectors *	3	PCI Express x16 (Gen 5.x) slots	2
		Number of M.2 (M) slots	7

Internal I/O		Expansion slots	
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2	1st M.2 largest key size	22110
USB 3.2 Gen 2x2 connectors	2	1st M.2 highest PCI Express generation	5.0
Number of SATA III connectors *	4	2nd M.2 largest key size	2280
Front panel audio connector	✓	2nd M.2 highest PCI Express generation	5.0
Front panel connector	✓	3rd M.2 largest key size	2280
ATX Power connector (24-pin)	✓	3rd M.2 highest PCI Express generation	4.0
CPU fan connector	✓	<b>BIOS</b>	
Number of chassis fan connectors	2	BIOS type *	UEFI AMI
EPS power connector (8-pin)	✓	BIOS memory size	1024 Mbit
12V power connector	✓	<b>Packaging data</b>	
Number of temperature sensor headers	1	Package width	380 mm
RGB LED pin header	✓	Package depth	320 mm
<b>Rear panel I/O ports</b>		Package height	125 mm
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	8	Package weight	6.66 kg
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	4	<b>Weight &amp; dimensions</b>	
USB4 Gen 3x2 ports quantity	2	Width	305 mm
Ethernet LAN (RJ-45) ports *	2	Depth	277 mm
		<b>Packaging content</b>	
		Cables included	SATA
		Antenna included	✓



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### Catalog Object Cloud



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