

ASUS ROG CROSSHAIR X870E EDITION 20 AMD X870E Socket AM5 ATX

Brand : ASUS

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Product name : ROG CROSSHAIR X870E EDITION 20

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Innovate. Perform. Dominate.

Created to celebrate ROG's 20th anniversary, the ROG Crosshair X870E Edition 20 combines iconic design, exclusive collectability, and flagship performance in one exceptional platform.

Equipped with robust 24+2+2 power stages, up to nine M.2 slots, and a full-copper VRM thermal solution, it delivers uncompromising stability and cooling for extreme performance.

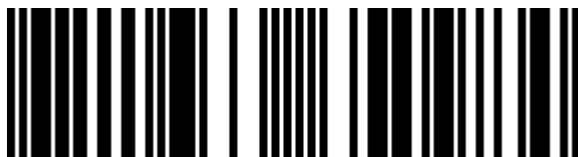
Paired exclusively with the ROG RYUJIN 360 EDITION 20, featuring the Asetek EMMA Gen10 V3Rx pump and a high-performance cold plate crafted from 99.95% high-purity copper, designed to simultaneously cool both the CPU and critical VRM components, this ultimate combination pushes thermal performance even further.

Completing the experience is the Swivel Dual 6.67" AMOLED LCD with ASUS Infohub control, transforming the system into a synchronized showcase of performance and immersive visuals.



Processor		Rear panel I/O ports	
Processor manufacturer *	AMD	Ethernet LAN (RJ-45) ports *	2
Processor socket *	Socket AM5	DisplayPort version	1.4a
Compatible processor series *	AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series	Headphone outputs	1
		Line-in	✓
Supported processor sockets	Socket AM5	Microphone in	✓
Memory		S/PDIF out port	✓
Supported memory types *	DDR5-SDRAM	Digital audio optical out	1
Number of memory slots *	4	Network	
Memory slots type	DIMM	Ethernet LAN	✓
Memory channels	Dual-channel	Ethernet interface type	10 Gigabit Ethernet
ECC compatibility	ECC & Non-ECC	Wi-Fi *	✓
Supported memory clock speed (max)	9600 MHz	Top Wi-Fi standard	Wi-Fi 7 (802.11be)
Maximum internal memory *	256 GB	Wi-Fi standards	Wi-Fi 7 (802.11be)
Unbuffered memory	✓	WLAN controller model	MediaTek MT7927
Maximum internal memory per slot	64 GB	Bluetooth	✓
Storage controllers		Bluetooth version	5.4
Supported storage drive types	HDD & SSD	Features	
Supported storage drive interfaces *	M.2, PCI Express 5.0, PCI Express 4.0, SATA III	Motherboard chipset *	AMD X870E
Number of HDDs supported	2	Audio chip	Realtek ALC4082
Number of storage drives supported	7	Audio output channels *	7.1 channels
RAID support	✓	Product colour	Black
RAID levels	0, 1, 5, 10	Component for *	PC
Graphics		Motherboard form factor *	ATX
Parallel processing technology support *	Not supported	Motherboard chipset family *	AMD
Maximum resolution	3840 x 2160 pixels	Cooling type	liquid
		Power source type	ATX

Internal I/O		Features	
USB 2.0 connectors *	3	Windows operating systems supported	Windows 11
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2	Expansion slots	
USB 3.2 Gen 2 (3.1 Gen 2) connectors *	2	PCI Express x16 (Gen 5.x) slots	2
Number of SATA III connectors *	2	Number of M.2 (M) slots	5
Front panel audio connector	✓	1st M.2 largest key size	22110
ATX Power connector (24-pin)	✓	1st M.2 highest PCI Express generation	5.0
CPU fan connector	✓	2nd M.2 largest key size	2280
Number of CPU fan connectors	1	2nd M.2 highest PCI Express generation	5.0
Number of chassis fan connectors	2	3rd M.2 largest key size	2280
EPS power connector (8-pin)	✓	3rd M.2 highest PCI Express generation	4.0
Number of EPS power connectors (8-pin)	3	4th M.2 largest key size	2280
12V power connector	✓	4th M.2 highest PCI Express generation	4.0
Number of water pump connectors	2	5th M.2 largest key size	2280
RGB LED pin header	✓	5th M.2 highest PCI Express generation	4.0
Number of RGB LED pin headers	5	BIOS	
Rear panel I/O ports		BIOS type *	UEFI AMI
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	8	BIOS memory size	512 Mbit
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	4	Clear CMOS button	✓
USB4 Gen 3x2 ports quantity	2	BIOS flashback button	✓
		Weight & dimensions	
		Width	305 mm
		Depth	277 mm
		Packaging content	
		Cables included	SATA
		Antenna included	✓
		Screws included	✓



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