

ASUS ROG CROSSHAIR X870E DARK HERO AMD X870E Socket AM5 ATX

Brand : ASUS

Product code: 90MB1NT0-M0EAY0

Product name : ROG CROSSHAIR X870E DARK HERO

ROG CROSSHAIR X870E DARK HERO Gaming AMD AM5 (ATX, DDR5, Advanced AI PC, 10GB Ethernet, WiFi 7, 2x PCIe 5.0 M.2, 2x USB4, 2x USB 20Gbps)

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Clad in a sleek, understated black design, the ROG Crosshair X870E Dark Hero delivers refined performance for high-end builds, featuring a robust 20+2+2 power stage design, support for high-speed DDR5 memory, and the latest PCIe® 5.0 connectivity. It offers five onboard M.2 SSD slots with heatsinks, including a 3D VC M.2 heatsink for advanced thermal performance, along with Realtek 10G Ethernet and USB4® ports for next-generation connectivity. ASUS-exclusive AI technologies and Polymo Lighting II complete the platform, balancing intelligent tuning with a clean, premium aesthetic.



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	WLAN controller model	MediaTek MT7927
Number of memory slots *	4	Bluetooth	✓
Memory slots type	DIMM	Bluetooth version	5.4
Memory channels	Dual-channel	Features	
ECC compatibility	ECC & Non-ECC	Motherboard chipset *	AMD X870E
Maximum internal memory *	256 GB	Audio chip	Realtek ALC4082
Unbuffered memory	✓	Audio output channels *	7.1 channels
Storage controllers		Product colour	Black
Supported storage drive types	HDD & SSD	Component for *	PC
Supported storage drive interfaces *	M.2, SATA III	Motherboard form factor *	ATX
Number of HDDs supported	4	Motherboard chipset family *	AMD
Number of storage drives supported	9	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
		1st M.2 largest key size	22110

Graphics		Expansion slots	
On-board graphics card	✗	1st M.2 highest PCI Express generation	5.0
Internal I/O		2nd M.2 largest key size	2280
USB 2.0 connectors *	3	2nd M.2 highest PCI Express generation	5.0
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	2	3rd M.2 largest key size	2280
USB 3.2 Gen 2x2 connectors	2	3rd M.2 highest PCI Express generation	4.0
Number of SATA III connectors *	4	4th M.2 largest key size	2280
Front panel audio connector	✓	4th M.2 highest PCI Express generation	4.0
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	4	BIOS memory size	512 Mbit
EPS power connector (8-pin)	✓	Packaging data	
12V power connector	✓	Package width	308 mm
Number of temperature sensor headers	1	Package depth	367 mm
Rear panel I/O ports		Package height	110 mm
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	6	Package weight	4.43 kg
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity *	3	Weight & dimensions	
USB4 Gen 3x2 ports quantity	2	Width	305 mm
Ethernet LAN (RJ-45) ports *	2	Depth	244 mm
HDMI ports quantity *	1	Packaging content	
Microphone in	✓	Cables included	SATA
S/PDIF out port	✓	Antenna included	✓
WiFi-AP antenna jack	1	Screws included	✓



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