

ASUS ROG CROSSHAIR X870E EXTREME AMD X870E Sockel AM5 Erweitertes ATX

Marke : ASUS

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Produktname : ROG CROSSHAIR X870E EXTREME

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

ASUS ROG CROSSHAIR X870E EXTREME. Prozessorhersteller: AMD, Prozessorsockel: Sockel AM5, Kompatible Prozessoren: AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series. Unterstützte Arbeitsspeicher: DDR5-SDRAM, RAM-Speicher maximal: 256 GB, Arbeitsspeicher Typ: DIMM. Unterstützte Speicherlaufwerk-Schnittstellen: M.2, SATA III, SlimSAS, Unterstützte Speicherlaufwerke: HDD & SSD, RAID Level: 0, 1, 5, 10. Ethernet Schnittstellen Typ: 5 Gigabit Ethernet, 10 Gigabit Ethernet, Top WLAN-Standard: Wi-Fi 7 (802.11be), WLAN-Standards: Wi-Fi 7 (802.11be). Komponente für: PC, Motherboardformfaktor: Erweitertes ATX, Motherboard Chipsatz Familie: AMD



Prozessor		Erweiterungssteckplätze	
Prozessorhersteller *	AMD	PCI Express x16-Steckplätze (Gen 4.x)	2
Prozessorsockel *	Sockel AM5	PCI Express x16-Steckplätze (Gen 5.x)	2
Kompatible Prozessoren *	AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series	Anzahl der M.2 (M)-Steckplätze	5
Unterstützte Prozessorsteckplätze	Sockel AM5	1. M.2 größte Schlüsselgröße	22110
Speicher		1. M.2 höchste PCI Express-Generation	5.0
Unterstützte Arbeitsspeicher *	DDR5-SDRAM	2. M.2 größte Schlüsselgröße	2280
Anzahl der Speichersteckplätze *	4	2. M.2 höchste PCI Express-Generation	5.0
Arbeitsspeicher Typ	DIMM	3. M.2 größte Schlüsselgröße	22110
Speicherkanäle	Zweikanalig	3. M.2 höchste PCI Express-Generation	5.0
ECC-Kompatibilität	ECC & Nicht-ECC	4. M.2 größte Schlüsselgröße	22110
RAM-Speicher maximal *	256 GB	4. M.2 höchste PCI Express-Generation	4.0
Unbuffered Speicher	✓	5. M.2 größte Schlüsselgröße	22110
Speicher-Controller		5. M.2 höchste PCI Express-Generation	4.0
Unterstützte Speicherlaufwerke	HDD & SSD	BIOS	
Unterstützte Speicherlaufwerk-Schnittstellen *	M.2, SATA III, SlimSAS	BIOS-Typ *	UEFI AMI
Anzahl der unterstützten Speicherlaufwerke	10	BIOS-Speichergröße	512 Mbit
RAID-Unterstützung	✓	Verpackungsdaten	
RAID Level	0, 1, 5, 10	Verpackungsbreite	380 mm
Grafik		Verpackungstiefe	320 mm
Parallele Verarbeitungstechnologie *	Nicht unterstützt	Verpackungshöhe	125 mm
Eingebaute Grafikadapter	✗	Paketgewicht	5,66 kg
Interne E/A-Anschlüsse		Gewicht und Abmessungen	
Anzahl USB 2.0 Schnittstellen *	2	Breite	305 mm
		Tiefe	277 mm

Interne E/A-Anschlüsse		Lieferumfang			
USB 3.2 Gen 1 (3.1 Gen 1) Anschlüsse *	2	Mitgelieferte Kabel	SATA		
USB 3.2 Gen 2 (3.1 Gen 2) Anschlüsse *	1	Antenne enthalten	✓		
USB 3.2 Gen 2x2-Anschlüsse	1	Treiber enthalten	✓		
SATA III Anschlüsse *	4	Sonstige Funktionen ROG SupremeFX 7.1 Surround Sound High Definition Audio CODEC ALC4082* - Impedance sense for front and rear headphone outputs - Supports: Jack-detection, Multi-streaming, Front Panel MIC Jack-retasking - High quality 120 dB SNR stereo playback output and 110 dB SNR recording input - Supports up to 32-Bit/384 kHz playback on front panel Audio Features - SupremeFX Shielding Technology - ESS® ES9219 QUAD DAC - LED-illuminated audio jacks - Rear optical S/PDIF out port - Premium audio capacitors * A chassis with an HD audio module in the front panel is required to support 7.1 Surround Sound audio output. ** The LINE OUT port on the rear panel does not support spatial audio. If you wish to use spatial audio, make sure to connect your audio output device to the audio jack on the front panel of your chassis or use a USB interface audio device. Supports up to 5 x M.2 slots and 1 x SlimSAS connector and 4 x SATA 6Gb/s ports* AMD Ryzen™ 9000 & 7000 Series Desktop Processors M.2_1 slot (Key M), type 2242/2260/2280/22110 (supports PCIe 5.0 x4 mode) M.2_2 slot (Key M), type 2242/2260/2280 (supports PCIe 5.0 x4 mode)** M.2_3 slot (Key M), type 2242/2260/2280/22110 (supports PCIe 5.0 x4 mode)** AMD Ryzen™ 8000 Series Desktop Processors M.2_1 slot (Key M), type 2242/2260/2280/22110 (supports PCIe 4.0 x4 mode) M.2_2 slot (Key M), type 2242/2260/2280 (Not supports) M.2_3 slot (Key M), type 2242/2260/2280/22110 (Not supports) AMD X870E Chipset DIMM.2_1 slot (Key M) via ROG Q-DIMM.2, type 2230/2242/2260/2280/22110 (supports PCIe 4.0 x4 mode) DIMM.2_2 slot (Key M) via ROG Q-DIMM.2, type 2230/2242/2260/2280/22110 (supports PCIe 4.0 x4 mode) SlimSAS connector supports PCIe 4.0 x4 mode via an SFF-8654 adapter cable. The cable is purchased separately. 4 x SATA 6Gb/s ports * Specifications vary by CPU types. ** When M.2_2 is enabled, but M.2_3 is not in use, PCIe16_1 will run in x8 mode and PCIe16_2 will be disabled. ** When M.2_3 is enabled, but M.2_2 is not in use, PCIe16_1 will run in x8 mode and PCIe16_2 will run in x4 mode. ** When both M.2_2 and M.2_3 are enabled, PCIe16_1 will run in x8 mode and PCIe16_2 will be disabled.			
Front Panel Audiostecker	✓				
Frontpanel-Stecker	✓				
ATX Stromstecker (24-pol.)	✓				
CPU Ventilatorstecker	✓				
Zahl der Chassisventilatorstecker	2				
EPS Stromstecker (8-pin)	✓				
12-V-Stromanschluss	✓				
RGB-LED-Stiftleiste	✓				
E/A-Anschlüsse auf der Rückseite					
USB 3.2 Gen 2 (3.1 Gen 2) Anzahl der Anschlüsse vom Typ A *	8	Audioausgang			
USB 3.2 Gen 2 (3.1 Gen 2) Anzahl der Anschlüsse vom Typ C *	2				
Anzahl USB4 Gen 3x2-Ports	2				
Anzahl Ethernet-LAN-Anschlüsse (RJ-45) *	2				
Anzahl PS/2 Anschlüsse	1				
Anzahl HDMI-Anschlüsse *	1				
S/PDIF-Ausgang	✓				
WiFi-AP-Antennenbuchse	1				
Netzwerk		Spezielle Eigenschaften			
Ethernet/LAN	✓				
Ethernet Schnittstellen Typ	5 Gigabit Ethernet, 10 Gigabit Ethernet				
WLAN *	✓				
Top WLAN-Standard	Wi-Fi 7 (802.11be)				
WLAN-Standards	Wi-Fi 7 (802.11be)				
Bluetooth	✓				
Bluetooth-Version	5.4				
Merkmale					
Motherboard Chipsatz *	AMD X870E				
Audio-Chip	Realtek ALC4082				
Audio Kanäle *	7.1 Kanäle				
Produktfarbe	Schwarz				
Komponente für *	PC				
Motherboardformfaktor *	Erweitertes ATX				
Motherboard Chipsatz Familie *	AMD				
Unterstützt Windows-Betriebssysteme	Windows 11				

Sonstige Funktionen	
Duplex Scan-Geschwindigkeit (Farbe)	4 x DIMM slots, max. 256GB, DDR5 Supports up to 8200+MT/s(OC) with Ryzen™ 9000 Series Processors, 9000+MT/s(OC) with Ryzen™ 8000 Series Processors, 8000+MT/s(OC) with Ryzen™ 7000 Series Processors, ECC and Non-ECC, Un-buffered DIMM* Dual Channel Memory Architecture Supports AMD Extended Profiles for Overclocking (EXPO™) ASUS Enhanced Memory Profile (AEMP) NitroPath DRAM Technology *Supported memory types, data rate (speed), and number of DRAM modules vary depending on the CPU and memory configuration, for more information please refer to CPU/Memory Support list under theSupport tab of product information site or visit https://www.asus.com/support/download-center/. * Non-ECC, un-buffered DDR5 memory supports On-Die ECC function.
Grafischer Ausgang	1 x HDMI™ port** 2 x USB4® (40Gbps) ports support USB Type-C® display outputs*** * Graphics specifications may vary between CPU types. Please refer to AMD CPU specifications. ** Supports 4K@60Hz as specified in HDMI 2.1. *** Supports max. 4K@60Hz as specified in DisplayPort 1.4a **** VGA resolution support depends on processors' or graphic cards' resolution.



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