ASUS ROG CROSSHAIR X870E EXTREME AMD X870E Sockel AM5 Erweitertes ATX



Marke : ASUS

Artikel-Code: 90MB1LB0-M0EAY0

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

5 YIL GARANTİ UZATMA ÜRÜN KAYIT SAYFASI

*Ürününüzü kaydetmek için QR kodu okutunuz.

Prozessor	
Prozessorhersteller *	AMD
Prozessorsockel *	Sockel AM5
Kompatible Prozessoren *	AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series
Unterstützte Prozessorsteckplätze	Sockel AM5
Speicher	
Unterstützte Arbeitsspeicher *	DDR5-SDRAM
Anzahl der Speichersteckplätze *	4
Arbeitsspeicher Typ	DIMM
Speicherkanäle	Zweikanalig
ECC-Kompatibilität	ECC & Nicht-ECC
RAM-Speicher maximal *	256 GB
Unbuffered Speicher	✔
Speicher-Controller	
Unterstützte Speicherlaufwerke	HDD & SSD
Unterstützte Speicherlaufwerk-Schnittstellen *	M.2, SATA III, SlimSAS
Anzahl der unterstützten Speicherlaufwerke	10
RAID-Unterstützung	✔
RAID Level	0, 1, 5, 10
Grafik	
Parallele Verarbeitungstechnologie *	Nicht unterstützt
Eingebaute Grafikadapter	✘
Interne E/A-Anschlüsse	
Anzahl USB 2.0 Schnittstellen *	2
USB 3.2 Gen 1 (3.1 Gen 1) Anschlüsse *	2
USB 3.2 Gen 2 (3.1 Gen 2) Anschlüsse *	1
USB 3.2 Gen 2x2-Anschlüsse	1
SATA III Anschlüsse *	4

Erweiterungssteckplätze	
PCI Express x16-Steckplätze (Gen 4.x)	2
PCI Express x16-Steckplätze (Gen 5.x)	2
Anzahl der M.2 (M)-Steckplätze	5
1. M.2 größte Schlüsselgröße	22110
1. M.2 höchste PCI Express-Generation	5.0
2. M.2 größte Schlüsselgröße	2280
2. M.2 höchste PCI Express-Generation	5.0
3. M.2 größte Schlüsselgröße	22110
3. M.2 höchste PCI Express-Generation	5.0
4. M.2 größte Schlüsselgröße	22110
4. M.2 höchste PCI Express-Generation	4.0
5. M.2 größte Schlüsselgröße	22110
5. M.2 höchste PCI Express-Generation	4.0
BIOS	
BIOS-Typ *	UEFI AMI
BIOS-Speichergröße	512 Mbit
Verpackungsdaten	
Verpackungsbreite	380 mm
Verpackungstiefe	320 mm
Verpackungshöhe	125 mm
Paketgewicht	5,66 kg
Gewicht und Abmessungen	
Breite	305 mm
Tiefe	277 mm
Lieferumfang	
Mitgelieferte Kabel	SATA
Antenne enthalten	✔

Interne E/A-Anschlüsse	
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
USB 3.2 Gen 2 (3.1 Gen 2) Anzahl der Anschlüsse vom Typ C *	2
Anzahl USB4 Gen 3×2-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	
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

Lieferumfang	
Treiber enthalten	✔

Sonstige Funktionen	
Audioausgang	**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.
Spezielle Eigenschaften	**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, PCIEX16_1 will run in x8 mode and PCIEX16_2 will be disabled. ** When M.2_3 is enabled, but M.2_2 is not in use, PCIEX16_1 will run in x8 mode and PCIEX16_2 will run in x4 mode. ** When both M.2_2 and M.2_3 are enabled, PCIEX16_1 will run in x8 mode and PCIEX16_2 will be disabled.
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.

Sonstige Funktionen	
Grafischer Ausgang	1 x HDMITM 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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Publication date: 20-NOV-2026. Prints or copies of Information are only valid on the printed Publication date