



## ASUS ROG Crosshair X870E Extreme EATX Motherboard for AMD AM5 CPUs

### CPU

**CPU Socket:** Socket AM5

**CPU Brand:** AMD

**Installed Processors (Max):** 0 (1)

**Supported Processor Manufacturer:** AMD

**Supported Processors:** AMD Ryzen 9000 & 8000 & 7000 Series Desktop Processors

**64-bit Support:** Yes

**Socket:** AM5

### Rear Panel I/O Ports

**USB Ports:** 2 x USB-C 4, 2 x USB-C 3.1, 8 x USB 3.1

**DisplayPorts:** Yes - via USB-C 4

**HDMI Port:** 1 x HDMI 2.1

**RJ-45 Ports:** 2 x RJ-45

**Audio Line In Ports:** 1 x 3.5mm Jack

**Audio Line Out Ports:** 1 x 3.5mm Jack

**S/PDIF Port:** 1 x S/PDIF Optical Out

**Antenna Connector(s):** 1 x Antenna

### Internal I/O Connectors

**SATA Connectors:** 4 x SATA

**USB Connectors:** 1 x USB-C 3.2 header (supports 1 port)

1 x USB-C 3.1 header (supports 1 port)

2 x USB 3.0 headers (supports 4 ports)

2 x USB 2.0 headers (supports 4 ports)

**Front Panel Connectors:** 1 x Front Panel, 1 x Front Audio

**Cooling Fan Support:**

1 x CPU fan header

1 x CPU OPT fan header

2 x Chassis fan headers

2 x Radiator fan headers

2 x W\_PUMP+ headers

1 x VRM heatsink fan header

**Power Connector Port:** 1 x 24-pin ATX, 2 x 8-pin EPS, 1 x 8-pin PCIe

**Other Connectors:** 2 x M.2 slots, Key M, Type 2242/2260/2280/22110 (PCIe Gen5)

1 x M.2 slot, Key M, Type 2242/2260/2280 (PCIe Gen5)

1 x DIMM.2

1 x SlimSAS

4 x 3-pin ARGB headers

1 x Thermal sensor header

**Memory**

**Memory Bus Speed:** Up to 8200 MT/s

**Memory Type:** DDR5

**Maximum RAM:** 256 GB

**Memory Slot:** 4 x DIMM

**Motherboard**

Northbridge AMD X870E

**RAID Supported:** Yes

**RAID Format:** RAID 0, 1, 10

**SATA Supported:** Yes

## **Expansion**

**Number of PCI Express Slots:** 2 x PCI Express 5.0 x16 slots (@ x16/x0 or x8/x8)

## **Graphics Device**

**Integrated Graphics Supported:** Yes

## **Sound**

**Integrated Sound:** ROG SupremeFX ALC 4082

## **Warranty**

**Warranty:** 3 Years

## **Network**

**Integrated Network:** Marvell AQtion, Realtek

**Network Speeds Supported:** Up to 10 Gbps (Marvell), Up to 5 Gbps (Realtek)

**Wireless LAN:** Yes - Wi-Fi 7

**Wireless Network Speed:** Up to 6.5 Gbps

**Bluetooth:** Yes

**Bluetooth Version:** 5.4

## **System Requirements**

**Operating Systems Supported:** Microsoft Windows 11

## **System**

**Jumpers:** 1 x LN2 Mode

**Software Included (may be trial or restricted):** Yes

**Drivers:** Yes

## **Physical**

**Form Factor:** E-ATX Motherboard

### **In The Box:**

**Motherboard**

**1 x 1-to-3 ARGB splitter cable**

**1 x 1-to-2 ARGB splitter cable**

**2 x 1-to-4 fan splitter cable**

**2 x ROG weave SATA 6G cable packages**

**1 x 3-in-1 Thermistor cables pack**

**1 x ROG DIMM.2 with heatsink**

**1 x M.2 pad package for ROG Q-DIMM.2**

**2 x Thermal pad for ROG Q-DIMM.2**

**2 x Thermal pad for M.2 22110**

**1 x DDR5 Fan holder**

**1 x ROG Fan Kit**

**1 x ASUS WiFi Q-Antenna**

**1 x Q-connector**

**1 x ROG logo plate sticker**

**1 x ROG screwdriver**

**1 x ROG stickers**

**1 x ROG VIP card**

**1 x M.2 Q-Slide package**

**5 x M.2 backplate rubber packages**

**1 x ROG Bottle Opener**

**1 x USB drive with utilities and drivers**

**1 x Quick start guide**

**Width:** 277 mm

**Length:** 305 mm

**Weight:** 3.034 kg

## Key Features

**RDIMM Memory Supported:** No

**RDIMM Memory Required:** No

**Wireless Network:** Yes

**Motherboard Width:** 277 mm

**Motherboard Height:** 305 mm

**Main Colour:** Black

**Memory Channel:** Dual

**On-board Audio Type:** 7.1

**Number of SATA Ports:** 4 port(s)

**Number of USB Ports:** 12 port(s)

**USB 3.0 Support:** Yes

**Multi GPU Support:** No

**VGA Connection:** No

**DVI Connection:** No

**HDMI Connection:** Yes

**DisplayPort Connection:** No

**Motherboard Form Factor:** EATX

**Motherboard (EPS) Power Connectors:** 2 x 8-Pin

**Motherboard Chipset:** AMD X870E

**Thunderbolt:** No

**Motherboard Model:** ASUS ROG Crosshair X870E Extreme

**WiFi Speed:** 6500 Mbps

**USB 3.1 Support:** Yes

**Internal USB3.0 Header:** Yes

**M.2 Support:** Yes

**On-board RGB Control:** ASUS Aura Sync

**RGB Header Type:** 3-Pin ARGB

**Addressable RGB:** Yes

**Internal USB Type-C Header:** Yes

**Power Requirement (auto):** 100 W

**Max Memory Speed Supported (overclocked):** 8200 MT/s

**CPU Power Pins (female):** 16

**PCI Express Power Pins (female):** 8

**Total M.2 Slots:** 3

**Maximum NVMe M.2 ports:** 3

**SATA ports:** 4

**No. of front USB2.0 ports supported:** 4

**No. of front USB3.0 ports supported:** 4

**No. of front USB-C ports supported:** 2

**Back Connect Support:** No

## **Item Details**

**Manufacturer:** ASUS

**Manufacturer Code:** 90MB1LB0-M0EAY0

**EAN:** 4711387984963

**UPC:** 197105984967