



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