

Model	ProArt X870E-CREATOR WIFI
CPU	AMD Socket AM5 for AMD Ryzen™ 9000 & 8000 & 7000 Series Desktop Processors* * Refer to www.asus.com for CPU support list.
Chipset	AMD X870E
Memoria	4 x DIMM slots, max. 192GB, DDR5 Support up to 8000+MT/s(OC) with Ryzen™ 9000 Series Processors, 8000+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) * Adjustments will be made based on the specifications of mass-produced memory products available on the market. ** Supported memory types, data rate(Speed), and number of DRAM module vary depending on the CPU and memory configuration, for more information refer to www.asus.com for memory support list. *** Non-ECC, Un-buffered DDR5 Memory supports On-Die ECC function.
Gráficos	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. 8K@60Hz as specified in DisplayPort 1.4. **** VGA resolution support depends on processors' or graphic cards' resolution.
Ranuras de expansión	AMD Ryzen™ 9000 & 7000 Series Desktop Processors* 2 x PCIe 5.0 x16 slots with Q-Release Slim (supports x16 or x8/x8** or x8/x4/x4 modes***) AMD Ryzen™ 8700 & 8600 & 8400 Series Desktop Processors*

1 x PCIe 4.0 x16 slots with Q-Release Slim (only supports PCIe16(G5)_1 & total bandwidth of x8, PCIe16(G5)_2 will be disabled)

AMD Ryzen™ 8500 & 8300 Series Desktop Processors*

1 x PCIe 4.0 x16 slots with Q-Release Slim (only supports PCIe16(G5)_1 & total bandwidth of x4, PCIe16(G5)_2 will be disabled)

AMD X870E Chipset

1 x PCIe 4.0 x16 slot (supports x4 mode)

* Please check the PCIe bifurcation table on the support site (<https://www.asus.com/support/FAQ/1037507/>).

** When you use both PCIe16(G5)_1 and PCIe16(G5)_2, they will run at x8 each.

*** PCIe16(G5)_2 shares bandwidth with M.2_2 slot. When M.2_2 is enabled, PCIe16(G5)_1 will run x8, and PCIe16(G5)_2 will run x4.

- To ensure compatibility of the device installed, please refer to <https://www.asus.com/support/> for the list of supported peripherals.

Almacenamiento

Total supports 4 x M.2 slots and 4 x SATA 6Gb/s ports

AMD Ryzen™ 9000 & 7000 Series Desktop Processors

M.2_1 slot (Key M), type 2242/2260/2280 (supports PCIe 5.0 x4 mode)

M.2_2 slot (Key M), type 2242/2260/2280 (supports PCIe 5.0 x4 mode)*

AMD Ryzen™ 8000 Series Desktop Processors

M.2_1 slot (Key M), type 2242/2260/2280 (supports PCIe 4.0 x4 mode)

M.2_2 slot is not supported

AMD X870E Chipset

M.2_3 slot (Key M), type 2242/2260/2280 (supports PCIe 4.0 x4 mode)

M.2_4 slot (Key M), type 2242/2260/2280/22110 (supports PCIe 4.0 x4 mode)

4 x SATA 6Gb/s ports

* PCIe16(G5)_2 slot shares bandwidth with M.2_2.

AMD RAIDXpert2 Technology

Ryzen™ 7000 series processors: PCIe RAID 0/1/10

Ryzen™ 8000 series processors: PCIe RAID 0/1

Ryzen™ 9000 series processors: PCIe RAID 0/1/5/10

X870/B850/X670/B650/A620 chipset: SATA RAID 0/1/10

Ethernet

1 x Marvell® AQtion 10Gb Ethernet

1 x Intel® 2.5Gb Ethernet

ASUS LANGuard

Wireless & Bluetooth

Wi-Fi 7*

2x2 Wi-Fi 7 (802.11be)

Supports 2.4/5/6GHz frequency band**

Supports Wi-Fi 7 320MHz bandwidth, up to 6.5Gbps transfer rate.

Bluetooth® v5.4***

*Wi-Fi features may vary depending on the operating system

For Windows 11, Wi-Fi 7 will require 24H2 or later version for full functions, Windows 11 21H2/22H2/23H2 only support Wi-Fi 6E.

For Windows 10, please note that no driver is available, refer to the Wi-Fi chipset vendor's website for details.

** Wi-Fi 6GHz frequency band and bandwidth regulatory may vary between countries.

*** The Bluetooth® version may vary, please refer to the Wi-Fi module manufacturer's website for the latest specifications.

USB

Rear USB (Total 11 ports)

2 x USB4® (40Gbps) port(s) (2 x USB Type-C®)

1 x USB 20Gbps port(s) (1 x USB Type-C®)

7 x USB 10Gbps port(s) (7 x Type-A)

1 x USB 2.0 port (1 x Type-A)

Front USB (Total 9 ports)

1 x USB 20Gbps connector (supports USB Type-C® with up to 30W PD/QC4+)**

1 x USB 5Gbps header(s) support(s) 2 additional USB 5Gbps ports

3 x USB 2.0 headers support 6 additional USB 2.0 ports

** USB Type-C® power delivery output: max. 5V/3.0A"

** USB Type-C® power delivery output: 5V/9V max. 3.0A, 12V max 2.5A, 15V max. 2.0A

Audio

- Realtek ALC1220P 7.1 Surround Sound High Definition Audio CODEC*
- Impedance sense for front and rear headphone outputs
 - Internal audio Amplifier to enhance the highest quality sound for headphone and speakers
 - Supports: Jack-detection, Multi-streaming, Front Panel Jack-retasking
 - High quality 120 dB SNR stereo playback output and 113 dB SNR recording input (Line-in)
 - Supports up to 32-Bit/192 kHz playback*

Audio Features

- Audio Shielding
- Premium audio capacitors
- Dedicated audio PCB layers
- Unique de-pop circuit

* Due to limitations in HDA bandwidth, 32-Bit/192 kHz is not supported for 7.1 Surround Sound audio.

** A chassis with an HD audio module in the front panel is required to support 7.1 Surround Sound audio output.

Puertos de E/S del panel posterior

- 2 x USB4[®] (40Gbps) port(s) (2 x USB Type-C[®])
- 1 x USB 20Gbps port (1 x USB Type-C[®])
- 7 x USB 10Gbps ports (7 x Type-A)
- 1 x USB 2.0 port (1 x Type-A)
- 1 x DisplayPort (Input only)
- 1 x HDMI™ port
- 1 x Wi-Fi Module
- 1 x Marvell[®] AQtion 10Gb Ethernet
- 1 x Intel[®] 2.5Gb Ethernet
- 3 x Audio jacks
- 1 x BIOS FlashBack™ button
- 1 x Clear CMOS button

Conectores de E/S internos

Fan and Cooling related

- 1 x 4-pin CPU Fan header
- 1 x 4-pin CPU OPT Fan header
- 1 x 4-pin AIO Pump header
- 5 x 4-pin Chassis Fan headers

Power related

- 1 x 24-pin Main Power connector
- 2 x 8-pin +12V CPU Power connector

Storage related

- 4 x M.2 slots (Key M)
- 4 x SATA 6Gb/s ports

USB

- 1 x USB 20Gbps connector (supports USB Type-C[®] with up to 30W PD/QC4+)
- 1 x USB 5Gbps header(s) support(s) 2 additional USB 5Gbps ports
- 3 x USB 2.0 headers support 6 additional USB 2.0 ports

Miscellaneous

- 3 x Addressable Gen 2 headers
- 1 x Chassis Intrusion header
- 1 x COM Port header
- 1 x CPU Over Voltage jumper
- 1 x Front Panel Audio header (F_AUDIO)
- 1 x 10-1 pin System Panel header
- 1 x Thermal Sensor header

Características especiales

ASUS 5X PROTECTION III

- DIGI+ VRM (- Digital power design)
- Enhanced DRAM Overcurrent Protection
- ESD Guards
- LANGuard
- Overvoltage Protection
- Safeslot

- Stainless-Steel Back I/O

ASUS Q-Design

- M.2 Q-Latch
- M.2 Q-Release
- M.2 Q-Slide
- PCIe Slot Q-Release Slim (with PCIe SafeSlot)
- Q-Antenna
- Q-Connector
- Q-DIMM
- Q-LED (CPU [red], DRAM [yellow], VGA [white], Boot Device [yellow green])
- Q-Slot

ASUS Thermal Solution

- M.2 heatsink backplate
- M.2 heatsinks
- VRM heatsink design

ASUS EZ DIY

- BIOS FlashBack™ button
- BIOS FlashBack™ LED
- ProCool
- Pre-mounted I/O shield
- SafeSlot
- SafeDIMM

AURA Sync

- Addressable Gen 2 headers

Bespoke Motherboard Design & Business Focused Features

- 24/7 Reliability
- Overcurrent Protection

Front Panel USB 20Gbps with Quick Charge 4+ Support

- Support: up to 30W fast charging and USB Wattage Watcher
- Output: 5V/9V max. 3.0A, 12V max 2.5A, 15V max2.0A
- Compatible with PD3.0

Funciones de software

ASUS Exclusive Software

- Armoury Crate
- Aura Creator
- Aura Sync
- Fan Xpert 4 with AI Cooling II
- Power Saving
- ASUS DriverHub
- ASUS GlideX
- USB Wattage Watcher
- TurboV Core
- ASUS CPU-Z
- ProArt Creator Hub
- CreationFirst
- Adobe Creative Cloud (Free Trial)
- Norton 360 Deluxe (60 Days Free Trial)
- WinRAR (40 Days Free Trial)

UEFI BIOS

- ASUS EZ DIY
- ASUS CrashFree BIOS 3
- ASUS EZ Flash 3
- ASUS UEFI BIOS EZ Mode
- FlexKey

Remote Management
Features

IT Management software supported

- ASUS Control Center Express(ACCE)

Manejabilidad

WOL by PME, PXE

Accesorios

Cables
1 x DisplayPort cable
4 x SATA 6Gb/s cables
Additional Cooling Kit
1 x Thermal pad for M.2 22110
Miscellaneous
1 x ASUS WiFi Q-Antenna
1 x Q-connector
1 x M.2 Q-Latch package
1 x M.2 Q-Latch Q-Slide package for M.2 backplate
2 x Rubber Packages for M.2
1 x ProArt ruler
Documentation
1 x Quick start guide
1 x ACC Express Activation Key Card

Sistema operativo

Windows® 11

Factor de forma

ATX Form Factor
12 inch x 9.6 inch (30.5 cm x 24.4 cm)
