

# ASUS ProArt X670E-Creator WiFi - motherboard - ATX - Socket AM5 - AMD X670E



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SKU	90MB1B90-M0EAY0
Product Description:	ASUS ProArt X670E-Creator WiFi - motherboard - ATX - Socket AM5 - AMD X670E
Product Type:	Motherboard - ATX
Chipset Type:	AMD X670E
Processor Socket:	1 x Socket AM5
Compatible Processors:	Ryzen (supports Ryzen 7000 Series)
Max RAM Size:	192 GB
RAM Supported:	4 DIMM slots - DDR5, non-ECC, ECC, on-die ECC, unbuffered

## General

Product Type:	Motherboard - ATX
Chipset Type:	AMD X670E
Processor Socket:	Socket AM5
Max Processors Qty:	1
Compatible Processors:	Ryzen (supports Ryzen 7000 Series)

## Supported RAM

Max Size:	192 GB
Technology:	DDR5
Bus Clock:	4800 MHz, 5000 MHz, 5200 MHz, 5400 MHz (O.C.), 5600 MHz (O.C.), 5800 MHz (O.C.), 6000 MHz (O.C.), 6200 MHz (O.C.), 6400 MHz (O.C.)
Supported RAM Integrity Check:	Non-ECC, ECC, on-die ECC
Registered or Buffered:	Unbuffered
Features:	Dual channel memory architecture, AMD EXPO technology

## Audio

## Miscellaneous

Included Accessories:	ASUS Wi-Fi moving aerial, Q-Connector, M.2 backplate Q-Latch, 2 x M.2 rubber package, M.2 screw package, ASUS ProArt ruler, ACC Express Activation Key Card
Cables Included:	4 x Serial ATA cable   1 x DisplayPort cable
Software Included:	Armoury Crate, ASUS AURA Creator, ASUS Fan Xpert 4, ASUS AI Suite III, ASUS Turbo App, ASUS CPU-Z, ASUS Control Center Express, CreationFirst, MyAsus, Norton AntiVirus (Trial), ASUS ProArt Creator Hub, WinRAR
Compliant Standards:	DisplayPort 1.4, FCC Part 15 Class B, VCCI Class B, JATE, EU RoHS
Width:	30.5 cm
Depth:	24.4 cm

## Features

BIOS Type:	AMI
BIOS Features:	UEFI BIOS, ASUS EZ Flash 3
Sleep / Wake Up:	Wake on LAN (WOL), wake on PME

## Audio

Type:	HD Audio (8-channel)
Audio Codec:	Realtek ALC51220A
Compliant Standards:	High Definition Audio

## LAN

Network Interfaces:	2.5 Gigabit Ethernet, 10 Gigabit Ethernet, 802.11a/b/g/n/ac/ax (Wi-Fi 6E), Bluetooth 5.2
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## Expansion / Connectivity

Expansion Slots:	1 x CPU ; 4 x DIMM 288-pin ; 2 x PCIe 5.0 x16 (dual x8 mode; single card: x16 mode) ; 1 x PCIe 4.0 x16 (x2 mode) ; 3 x M.2 socket (2242/2260/2280 M.2 Key M slot) ; 1 x M.2 socket (2242/2260/2280/22110 M.2 Key M slot)
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Storage Interfaces:	SATA-600 -connectors: 4 x 7pin Serial ATA - RAID 0 / RAID 1 / RAID 10 ; PCIe 4.0 - connectors: 2 x M.2 - RAID 0 / RAID 1 / RAID 10 ; PCIe 5.0 -connectors: 2 x M.2 - RAID 0 / RAID 1 / RAID 10
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RAID Features:	AMD RAID Xpert2 Technology
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Interfaces:	1 x DisplayPort input ; 1 x HDMI ; 2 x USB4/DisplayPort ; 1 x USB-C 3.2 Gen2x2 ; 7 x USB 3.2 Gen 2 ; 1 x USB 2.0 ; 2 x aerial ; 1 x LAN (2.5Gigabit Ethernet) ; 1 x LAN (10Gigabit Ethernet) ; 1 x audio line-out - mini-jack ; 1 x audio line-in - mini-jack ; 1 x microphone - mini-jack
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Internal Interfaces:	6 x USB 2.0 - header ; 1 x USB-C 3.2 Gen 2x2 - header ; 2 x USB 3.2 Gen 1 - header ; 1 x audio - header ; 1 x serial - header
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Power Connectors:	24-pin main power connector, 2 x 8-pin ATX12V connectors, 6-pin PCI Express power connector
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## Features

Hardware Features:	ASUS OptiMem II, Preboot eXecution Environment (PXE), LANGuard, audio jack detect technology, jack retasking, BIOS FlashBack button, ASUS 5X Protection III, ASUS DIGI+ VRM, ASUS Enhanced DRAM Overcurrent Protection, ESD Guards, overvoltage protection, ASUS SafeSlot, ASUS Stainless Steel Back I/O, ASUS Q-Design, PCIe Slot Q-Release, ASUS Q-Connector, M.2 Q-Latch, Q-DIMM, Q-LED, Q-Slot, M.2 heatsink, VRM heatsink design, ASUS EZ DIY, BIOS FlashBack LED, pre-mounted I/O shield, ASUS ProCool, ASUS SafeDIMM, ASUS Aura Sync, overcurrent protection, Quick Charge 4+, ASUS TPU (TurboV Processing Unit), FlexKey button, CrashFree BIOS 3, 16+2 Phase Power Design, 70A Power Stage, Water Pump Header, DIY Friendly Design, ASUS Enhanced Memory Profile (AEMP)
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