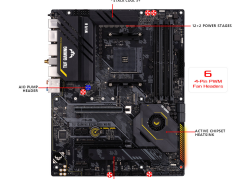# ASUS TUF Gaming X570-PRO Wi-Fi AM4 ATX Motherboard

$219.99
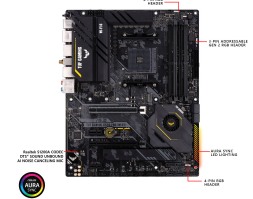
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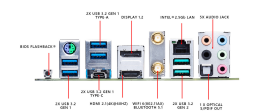

Robust Power & Comprehensive Cooling

Total Gaming Immersion

Full Gaming Connectivity

What's in the Box

BACK I/O COVER MANUAL

SUPPORT CD

TUF STICKER

2X SATA CABLES

WIFI ANTENA

Short Description

Bring wired connections and Wi-Fi 6 to your next build with the TUF Gaming X570-PRO Wi-Fi AM4 ATX Motherboard from ASUS. Designed for use with Ryzen 2nd and 3rd Gen processors, this motherboard features the AMD X570 chipset and AM4 socket. Install up to 128GB of dual-channel DDR4 RAM across four slots, with speeds up to 5100 MHz supported when overclocking. Eight SATA III and two M.2 connectors provide interfaces for storage drives, while two PCIe 4.0 x16 and two x1 slots accommodate graphics cards and other adapter cards, and support AMD 2-Way CrossFireX.

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A rear I/O panel sports a USB 3.2 Gen 2 Type-C port and two Type-A ports, as well as four Gen 1 Type-A ports. Connect a legacy mouse or keyboard via the PS/2 combo port. Output to a display via DisplayPort or HDMI. An RJ45 port supported wired 2.5 Gigabit Ethernet, while two Wi-Fi antenna connectors can be used with the supplied antenna. This rear panel also sports five 3.5mm audio jacks and a S/PDIF port. A BIOS Flashback button is also present on the rear panel.

Internal headers support three chassis fans, three RGB connections, 8- and 4-pin power connections, a TPM, and a Clear CMOS. Front-panel USB and Audio connections are also supported, including a USB 3.2 Gen 2 Type-C connection. Audio on this motherboard is handled by the Realtek ALC S1200A codec, supporting 8-

channel audio. In addition to Wi-Fi 6, this motherboard also supports Bluetooth 5.1 connectivity after updating Windows 10 to build 19041 or later. The ASUS TUF Gaming X570-PRO Wi-Fi AM4 ATX Motherboard is compatible with Windows 10 64-bit operating systems.

Features

Key Features
- ATX Form Factor
- AMD X570 Chipset
- AM4 Socket
- 4 x Dual-Channel DDR4-5100 (OC)
- 2 x PCIe 4.0 x16, 1 x PCIe 4.0 x1
- 8 x SATA III, 2 x M.2
- Realtek ALC S1200A 8-Channel HD Audio
- 2.5-Gigabit Ethernet
- Wi-Fi 6 & Bluetooth 5.1
- Supports AMD 2-Way CrossFireX

AMD X570

This motherboard uses the AMD X570 chipset and AM4 socket, making it compatible with 2nd and 3rd Gen Ryzen processors, and 1st, 2nd, and 3rd Gen Ryzen processors with Radeon Graphics.

Dr. MOS

The TUF Gaming X570-Pro Wi-Fi motherboard's CPU VRM utilizes 12+2 Dr. MOS power stages that combine high-side and low-side MOSFETs and drivers into a single package, delivering the power and efficiency that AMD's latest processors demand.

6-Layer PCB Design

Multiple PCB layers shift heat away from critical components, providing more headroom to push your CPUs beyond stock speeds.

ProCool Sockets

Enhanced EATX 4- and 8-pin sockets are designed to be more durable, preventing hotspots and connector failures. Furthermore, ProCool sockets are built to tight specifications to ensure flush contact with the PSU power lines.

Built TUF

Military-grade TUF chokes deliver steady power to the CPU, helping to improve system stability, while TUF capacitors deliver +20% temperature tolerance and 2.5 times longer lifespan.

Digi+ VRM

The Digi+ voltage-regulator module, or VRM, ensures smooth and clean power delivery to the CPU at all times.

VRM Heatsink

The high-mass heatsink provides an ample surface space that covers the VRM and choke areas.

Thermal Pads

Thermal pads help transfer heat from the inductor and phase array to the heatsink.

Stack Cool 3+

Drawing heat away from critical components, 2oz-copper layers ensure modules remain at their optimal operating temperatures, while also providing more headroom to push CPUs beyond stock speeds.

Active Chipset Heatsink

A chipset heatsink with a dedicated chipset fan ensures optimal cooling for more stable performance.

M.2 Heatsink

The M.2 heatsink keeps the M.2 SSD at the optimum operating temperature for consistent performance and reliability.

Dual PCIe 4.0 M.2 Slots

Dual PCIe 4.0 M.2 slots support up to type 22110 drives and provide NVMe SSD RAID support for a performance boost. Create a RAID configuration with up to two PCIe 4.0 storage devices for fast data-transfer speeds.

ASUS OptiMem

The ASUS OptiMem memory trace layout unleashes the full performance potential of AMD's Infinity Fabric architecture by enabling higher memory frequencies and lower latencies. This technology improves memory stability and compatibility, allows lower memory latencies at equivalent voltage, and improves memory frequency margin.

TUF Gaming Alliance

TUF Gaming Alliance is a collaboration between ASUS and trusted PC-component brands to ensure compatibility with a wide range of parts, such as cases, power supplies, CPU coolers, memory kits, and more.

SafeSlot

The SafeSlot is designed to provide strong retention and shearing resistance. Manufactured in a single step using an insert-molding process, SafeSlot integrates fortifying metal for an inherently stronger slot, which is then firmly anchored to the PCB through additional solder points.

ESD Guards

ESD guards prolong the life of components while preventing damage from electrostatic discharge, providing protection for up to +/- 10kV of air discharge and +/- 6kV of contact discharge, and surpassing the respective industry standards of +/- 6kV and +/- 4kV.

TUF LANGuard

TUF LANGuard is a military-grade innovation that integrates advanced signal-coupling technology and premium surface-mounted capacitors to improve throughput, protecting the motherboard from lightning

strikes and static electricity.

DRAM Overvoltage Protection

Onboard resettable fuses prevent overcurrent and short-circuit damage. This extends beyond I/O ports to DRAM to safeguard the lifespan of your system and connected devices.

Stainless-Steel I/O Panel

TUF Gaming motherboards have a corrosion-resistant stainless-steel back I/O panel bonded with chromium oxide for a lifespan up to three times longer than traditional panels. With this protective feature, TUF Gaming motherboards passed 72-hour salt fog testing, while other motherboards only passed 24-hour testing.

Armoury Crate

Armoury Crate is a software utility designed to give you centralized control of supported gaming products. From a single intuitive interface, Armoury Crate lets you easily customize RGB lighting and effects for every compatible device in your arsenal and synchronize them with Aura Sync for unified system lighting effects. The software also provides control of settings for a select and growing number of products, including keyboard and mouse preferences as well as laptop overclocking and fan speeds, making it easier to tune the look and feel of your system. Armoury Crate even features dedicated product registration and news areas to help you stay in touch with the gaming community.

Intel Wi-Fi 6 AX200

The Intel Wi-Fi 6 AX200 module is compatible with the 802.11ax standard and pushes theoretical peak bandwidth up to 2.4 Gb/s. Perhaps more importantly for power users, it's optimized for more efficient operation on crowded networks with a lot of competing traffic.

AI Noise-Canceling Microphone Software

AI Noise-Canceling Microphone software is exclusively featured on ASUS motherboards and supports 3.5 mm, USB, or Bluetooth headsets. The utility leverages a massive deep-learning database to preserve the sound of your voice while eliminating distracting keyboard clatter, mouse clicks, and other forms of environmental noise. And it only places a slight load on the CPU, ensuring minimal impact on gaming performance.

Articulate Audio

The TUF Gaming audio cover provides effective shielding and preserves the integrity of audio signals to ensure best quality. Audio shielding separates analog and digital signal domains, reducing multi-lateral interference.

DTS Custom for Gaming Headsets

Utilizing advanced emulation techniques to create positional cues via stereo headphones, DTS Custom optimizes onboard audio to fit your game, with Aerial, Soundscape, and Tactical presets for different genres.

Specifications

ASUS TUF GAMING X570-PRO (WI-FI) Specs

CPU

Chipset	AMD X570
CPU Socket	AM4

Back Panel I/O

USB	2 x USB 3.1 / USB 3.2 Gen 2 Type-A 1 x USB 3.1 / USB 3.2 Gen 2 Type-C 4 x USB 3.1 / USB 3.2 Gen 1 Type-A
Thunderbolt	*None*
Display	1 x DisplayPort 1 x HDMI
Audio	5 x 3.5 mm 1 x S/PDIF
Ethernet / Controller	1 x Intel I225-V 2.5Gigabit
PS/2	1 x Combo
Wi-Fi Antenna	2 x Connector
Buttons	BIOS Flashback

Memory

Memory Slots	4 x 288-Pin
Memory Support	DDR4 2133, 2400, 2666, 2800, 2933, 3000, 3200, 3400, 3466, 3600, 3733, 3866, 4000, 4133, 4266, 4400, 4600, 4800, 5100 MHz
Maximum Capacity	128 GB
Channel Architecture	Dual Channel

Storage Expansion

SATA	8 x SATA III
M.2	2 x M Key 2242, 2260, 2280, 22110 (PCIe 4.0 x4, SATA III)
RAID Support	RAID 0, 1, 10

Internal I/O

Expansion Slots	1 x PCIe 4.0 x16 1 x PCIe 4.0 x16 (x4 mode) 2 x PCIe 4.0 x1

USB	1 x USB 3.1 / USB 3.2 Gen 2 Header (Supports 1 USB Type-C Port) 1 x USB 3.1 / USB 3.2 Gen 1 Header (Supports 2 USB Type-A Port) 2 x USB 2.0 Header (Supports 4 USB Type-A Port)
Multi-GPU Support	2-Way AMD CrossFireX
Air Cooling	1 x 4-Pin CPU 1 x 4-Pin Assistant 3 x 4-Pin System
Liquid Cooling	1 x 4-Pin Pump
Power Connectors	1 x 24-Pin Mainboard 1 x 8-Pin CPU 1 x 4-Pin CPU
Security	TPM Module
LED Header	3 x RGB
Diagnostics	Clear CMOS
Legacy	1 x Serial

BIOS

ROM	256 Mb

Front Panel I/O

I/O Connection Headers	AAFP, USB 3.1 / USB 3.2 Gen 1, USB 3.1 / USB 3.2 Gen 2

Audio

Audio Codec	Realtek S1200A (8-Channel)

Wireless

Bluetooth	5.1

Wi-Fi	Wi-Fi 6 (802.11ax) (MU-MIMO)

Software

Supported Operating Systems	Windows 10 (64-Bit)

Physical

Form Factor	ATX

Dimensions	9.6 x 12" / 24.4 x 30.5 cm

Packaging Info

Package Weight	3.65 lb

Box Dimensions (LxWxH)	13.3 x 10.7 x 2.8"

Additional Information

Brand	ASUS
SKU	TUF GAMING X570-PRO (WI-FI)
Weight	5.0000
Processor Manufacturer	AMD
Chipset	X570