

ASUS ROG STRIX X870-F GAMING WIFI AMD X870 Socket AM5 ATX

Model: 90MB1IV0-M0EAY0

Manufacturer: ASUS

EAN: 4711387732045

Product Code: 1693389

R8,854

ASUS AI INTELLIGENCE

AI OVERCLOCKING

ASUS AI Overclocking profiles the CPU and cooling to predict the optimal configuration and push the system to its limits.

AI COOLING II

Balance the thermals and acoustics of any build with a single click.

AI NETWORKING II

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AI Networking II combines intelligent technologies to continuously optimize network performance, provide trustworthy and seamless connectivity, and unleash the full speed of WiFi 7*.

*Features may vary by model.

Performance OVERCLOCKING

DYNAMIC OC SWITCHER

Dynamic OC Switcher maximizes CPU performance by letting you set current and temperature thresholds to automatically switch between a manual overlock for heavy multithreaded workloads and Precision Boost Overdrive for single-threaded tasks. The latest Overclocking Load Guard has an enhanced instantaneous current protection mechanism to prevent users from experiencing system crashes during overclocking.

CORE FLEX

Core Flex empowers you to smash limits farther than ever before by letting you control clock, power, and thermals in creative new ways. In its simplest form, you can maximize base clock during lighter loads and set breakpoints to gradually reduce CPU core frequency as temperature or current increases. But the system is extremely adaptable, supporting multiple user-controlled functions that can manipulate power, current, and temperature limits independently so that you can bend CPU performance to your will.

ASYNCHRONOUS CLOCK

For next-level frequency flexibility, the ROG Strix X870-F features a built-in clock generator that isolates CPU base clock from memory, PCIe, and the Infinity Fabric speed. Drive CPU performance to its absolute brink while maintaining the stability of related clock domains.

PBO ENHANCEMENT

AMD Precision Boost Overdrive (PBO) pushes the CPU current and voltage budget to opportunistically increase performance. By aggressively tuning the PBO parameters, AMD's algorithm can leverage the motherboard's robust power solution to ramp up performance even higher.

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Performance MEMORY

DDR5 DOMINATION

The Strix X870-F is primed and ready for enthusiast-grade kits courtesy of vast AMD EXtended Profiles for Overclocking (EXPO) support.

AEMP

ASUS Enhanced Memory Profile (AEMP) is an exclusive firmware feature for PMIC-restricted memory modules.

PLAY IN STYLE

UNDENIABLY ROG STRIX

The ROG Strix X870-F is sleek and understated, empowering you to seamlessly combine it with a wide range of system components. Its deep black PCB and matching metallic heatsinks create a dark and intense look, while a touch of RGB lighting on the I/O shroud lets you either stay under the radar or make a bold statement.

OUTSHINE THE COMPETITION

ROG Strix motherboards feature ASUS Aura technology, enabling full lighting control and a variety of presets for both onboard RGB LEDs and third-party accessories. Effects can be easily synced across compatible ROG graphics cards, monitors, keyboards, and mice to give your setup a unified look.

BUILD FOR THE MOST ADVANCED PC FOR GAMING AND CREATING

When only the fastest will do, a Strix X870E/X870 motherboard delivers. With USB 4.0 onboard along with robust overclocking[1] capabilities, featuring faster dual-channel DDR5 memory support, AMD EXPO™ technology and PCIe® 5.0 support for both graphics and NVMe, you can play the most demanding games and deliver your biggest projects with the revolutionary performance of an AMD

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X800-series motherboard and AMD Ryzen™ 9000, 8000, and 7000 Series processors.

1. Overclocking and/or undervolting AMD processors and memory, including without limitation, altering clock frequencies / multipliers or memory timing / voltage, to operate outside of AMD’s published specifications will void any applicable AMD product warranty, even when enabled via AMD hardware and/or software. This may also void warranties offered by the system manufacturer or retailer. Users assume all risks and liabilities that may arise out of overclocking and/or undervolting AMD processors, including, without limitation, failure of or damage to hardware, reduced system performance and/or data loss, corruption or vulnerability. GD-106.

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Dare to Be Green

We at the Republic of Gamers are on a mission to create a sustainable future where all gamers can flourish on the planet we call home.

Every step counts, and as part of ROG’s commitment to creating a more sustainable future, ROG has begun to utilize post-consumer recycled (PCR) plastic and paper materials certified by the Forest Stewardship Council (FSC™) in the packaging of motherboard.

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