

ASUS ROG STRIX B850-E GAMING WIFI AMD B850 Socket AM5 ATX

Model: 90MB1J60-M0EAY0

Manufacturer: ASUS

EAN: 4711387769300

Product Code: 1587740

R8,762

The ROG Strix B850-E Gaming WiFi is engineered to harness the full potential of AMD Ryzen™ 9000 Series processors. Featuring PCIe® 5.0 support, AI Overclocking, AI Networking II, and AEMP, setup is streamlined while performance is maximized. One USB4® Type-C port and WiFi 7 with Realtek 5Gb Ethernet ensure top-tier connectivity, while robust heatsinks keep M.2 drives cool under heavy loads. This motherboard not only meets the demands of gaming and professional applications but also delivers the power and connectivity essential for advanced AI PC applications.

ASUS AI INTELLIGENCE

ASUS AI ADVISOR

Using AI technology to understand natural-language questions or scenario descriptions, ASUS AI Advisor allows users to explore the functionality and advanced features of ASUS motherboards in a

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simple and straightforward way.

*Availability of ASUS AI Advisor may vary by region.

**AI Advisor functions may vary by platform.

AI OVERCLOCKING

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

AI NETWORKING II

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

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.

PBO ENHANCEMENT

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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.

MEMORY

DDR5 DOMINATION

The Strix B850-E 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.

ROG STRIX ULTIMATE POWER DESIGN

16(90A)+2(90A)+2(80A) Power Stages

COOLING

M.2

M.2 HEATSINKS, M.2 BACKPLATE

VRM

VRM HEATSINK ARRAY

CPU

CPU FAN HEADERS, AIO PUMP FAN HEADER

CHASSIS

4-PIN FAN HEADERS

PLAY IN STYLE

UNDENIABLY ROG STRIX

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Diagonal slats, brushed aluminum, and bold RGB have become hallmarks of the ROG aesthetic, and the Strix B850-E bears all of them with pride. But for this generation, translucent diffusers line the I/O shroud and the Q-Release array, softly contrasting the metallic heatsinks nearby.

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 B850 motherboard delivers. With USB 20Gbps 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 800-series motherboard and AMD Ryzen™ 9000, 8000, and 7000 Series processors.

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)

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