



MSI PRO B850-S EVO WIFI motherboard AMD B850 Socket AM5 ATX



Model: 7E97-001R

Manufacturer: MSI

EAN: 4711377422765

Product Code: 874057

R5,095

PRO B850-S EVO WIFI

PRO B850-S EVO WIFI offers a simple design with a harmonious black color scheme that perfectly matches black PC builds. It is engineered with many exclusive features of MSI, a Wi-Fi 7 with EZ Antenna, 5G LAN, PCIe 5.0 M.2 with M.2 Shield Frozr, EZ PCIe Clip II, and Supplemental PCIe Power, ready for the AMD Ryzen™ 9000 series processors

The PRO Series is tailored to professionals from all walks of life. The lineup features impressive performance and high quality, while aiming to provide users incredible experience. Users who care about productivity and efficiency can definitely count on the MSI PRO Series to assist you with multitasking and increasing efficiency.

MSI motherboards are designed with advanced hardware and technology, well-supporting the

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demanding computing usage of gaming and AI. Moreover, we also introduce AI to MSI Center and BIOS, making everything more effortless than before.

The new EZ PCIe Clip II, located on the first slot, features the rebounding force mechanism that allows for easy removal of the graphics card by pressing the tail-like lock with one finger. Due to this exquisite design, users can uninstall the graphics cards effortlessly, even in the cramped case spaces.

MSI motherboards circuitry ensure the case standoff keep out zones are pure and clean. Moreover, the protective paint is printed around each screw hole to prevent parts from being scratched or damaged to the motherboard.

MSI EZ Antenna makes the process effortless by simply attaching fasteners to the motherboard without rotation.

EZ DEBUG LED

Onboard LEDs will indicate the source of the problem so you know exactly where to look to get up and running again.

EZ Memory Detection LED

This LED lights up when it detects faulty memory in slots, eliminating guesswork from troubleshooting.

While overclocking can be overly complex for some, MSI Click BIOS X made it more accessible with multiple one-click overclock features for both processor and memory, allowing users to easily enhance system performance without delving into intricate settings.

A host of features inject artificial intelligence into key aspects of your computing experience to make smarter, real-time optimizations. The MSI Center offers a clean, minimal interface to customize and manage your PC settings. The AI Engine, for example, automatically adjusts settings based on the applications you're using, ensuring seamless performance.

Unleash and sustain the maximum performance with a flagship VRM design built with a total of 12+2+1 digital power phases. With 8+4 power connectors, PRO B850-S EVO WIFI is ready for the

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challenge of high-end processors.

MSI utilizes PCB Fabric Technology to enhance signal performance, resulting in higher bandwidth and faster data transfer while minimizing signal loss. The PCB Fabric Technology also offers better impedance control and improved thermal stability, allowing the boards to endure demanding conditions. Due to the high-quality materials used, MSI motherboards are highly reliable and well-suited for the requirements of modern technology.

With the rich features of MSI BIOS, you can easily enjoy the powerful performance that overclocking brings.

A huge step of DDR performance enhancement with the latest DDR5 memory. Combines with dedicated SMT welding process and MSI Memory Boost technology, PRO B850-S EVO WIFI is ready to deliver the world class memory performance.

The High-Efficiency Mode is designed to optimize memory performance by increasing memory bandwidth and reducing latency. With the four sets of RAM timing settings, it allows users to find out the optimal configuration based on the quality of their memory modules.

MSI BIOS has introduced the latest Latency Killer feature on all AM5 socket motherboards. Users can enable Latency Killer in the BIOS to reduce memory latency by up to 12% when running at high frequencies. Importantly, it is compatible with a wide range of memory overclocking features, including Memory Try It!, EXPO, A-XMP, and High-Efficiency Mode, etc.

Transient Voltage Suppressors (TVS) are safety devices used to protect against excessive voltage. All motherboard models of MSI are equipped with TVS. When the voltage abnormally rises, the TVS switches from a high-resistance state to a low-resistance state, diverting the excessive voltage to ground. This helps prevent circuit damage caused by high voltage.

The 4-pin, 8-pin, and 24-pin power connectors of MSI motherboards are all designed with solid pins. The solid pin design allows for a more stable transmission of 12V power to the CPU, even when handling high current loads.

Corrosive resistance IO Shield to help improve static electricity and reduce electromagnetic radiation

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noise from the system as well as more durable compare to traditional IO Shields.

MSI motherboards prioritize safety with the embedded Overcurrent Protection (OCP), ensuring crucial components such as the USB ports, DDR memory, PWM IC, and CPU are shielded from excessive current. This proactive defense mechanism curtails the risk of damage or malfunction due to power surges, promoting long-term system stability. This commitment to safeguarding your hardware underscores MSI's dedication to producing motherboards that prioritize durability and stability.

The grounding structure of power phases is the MSI's exclusive design. This patented design enables to suppress the electromagnetic interference (EMI) generated by the power phases and helps to efficiently conduct heat to the copper plane with grounding properties.

Heavy Plated VRM Heatsink

The VRM heatsink covers the upper MOS and helps dissipate the heat.

M.2 Shield Frozr

Strengthened M.2 thermal solution helps keep M.2 SSD safe and ensures incredible performance.

7W/mK Thermal Pad & Additional Choke Pad

High-quality 7W/mK MOSFET thermal pads and additional choke thermal pads ensure stable performance when all cores are running at high speed.

Chipset Heatsink

The heatsink is designed to reduce dust and noise and capable of maintaining high efficiency of heat dissipation.

BUILD FOR THE MOST ADVANCED PC FOR GAMING AND CREATING

When only the fastest will do, an AMD X800-series motherboard delivers. With USB 4.0 onboard along with robust overclocking¹ 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 X800-series motherboard and AMD Ryzen™ 9000, 8000, and 7000 Series processors.

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