

MSI PRO B850-S WIFI6E motherboard AMD B850 Socket AM5 ATX

Model: 7E80-002R

Manufacturer: MSI

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Product Code: 473547

R4,684

PRO B850-S WIFI6E offers a simple design with a harmonious color scheme that perfectly matches black PC builds. It is engineered with many exclusive features of MSI, a Wi-Fi 6E with EZ Antenna, 2.5G LAN, and PCIe 5.0 M.2 with M.2 Shield Frozr, 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 demanding computing usage of gaming and AI. Moreover, we also introduce

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AI to MSI Center and BIOS, making everything more effortless than before.

One Finger for EZ GPU Installation

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.

12+2+1 DRPS POWER DESIGN

Unleash and sustain the maximum performance with a flagship VRM design built with a total of 12+2+1 digital power phases. With dual power connectors, PRO B850-S WIFI6E is ready for the challenge of high-end processors.

OPTIMIZED PCB SOLUTION

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The PCB design has been optimized for higher bandwidth and faster transfer speeds, which is also beneficial for reliable circuit transmission.

DDR5 MEMORY SUPPORT WITH HIGH PERFORMANCE

A huge step of DDR performance enhancement with the latest DDR5 memory. Combines with dedicated SMT welding process and MSI Memory Boost technology, PRO B850M-P WIFI is ready to deliver the world-class memory performance.

The High-Efficiency Mode is designed to optimize memory performance byincreasing 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)

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.

solid pin design

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.

Anti-corrosive Stainless Steel IO Shield

An extra layer of sponge materials along with corrosive resistance IO Shield to help improve static electricity and reduce electromagnetic radiation noise from the system as well as much more

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durable compare to traditional IO Shields.

Over Current Protection

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

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.

DIY 2.0 – INTEGRATING WITH THE SYSTEM ENVIRONMENT

Connect and synchronize with MSI coolers and cases with strategically positioned pin-header locations including a dedicated pump-fan header.

Cooling Wizard

Cooling Wizard serves as a comprehensive solution for managing fan settings across all MSI products. It ensures superior cooling performance and noise reduction for your gaming PC, offering compatibility with PWM/DC fans and pumps, customizable options, and intuitive temperature monitoring for optimal operation with one click.

Frozr AI Cooling

Frozr AI Cooling targets CPU and GPU temperatures. The AI system detects CPU and GPU temperatures and automatically adjusts the fan duty of system fans to ensure optimal performance.

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Auto Detect Fan

MSI fan headers automatically detect fans running in DC or PWM mode for optimal tuning of fan speeds and silence. Hysteresis also makes your fans spin up fluently to make sure your system stays silent, no matter what.

HIGH-BANDWIDTH AND LOW-LATENCY NETWORK

MSI's premium network solution provides incredible data transfer speed for demanding users.

AI LAN Manager

MSI AI LAN Manager automatically classifies and prioritizes the latency-sensitive applications for online games, giving you the best online gaming experience with low latency.

FAST AND FUTURE-READY STORAGE

MSI PRO series motherboards support all the latest storage standards, which allows users to connect any ultra-fast storage device. Start games faster, load levels faster and have a real advantage over your enemies.

Lightning Gen 4 PCI-e with Steel Armor

LIGHTNING GEN 4 PCI-E

MSI lightning Gen 4 PCI-E represents the bandwidth of a x16 interface to 64GB/s that has doubled compared to its previous generation.

MSI PCI Express Steel Armor slots are secured to the motherboard with extra solder points and support the weight of heavy graphics cards. When every advantage in games counts, Steel Armor shields the point of contact from electromagnetic interference.

GLOW YOUR PC

Splash on some color and vibrant RGB lighting effects using Mystic Light utility of MSI Center, which has million colors and fancy LED effects. Enjoy the full control and creativity of your PC's lighting with one software.

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EXTEND YOUR RGB EXPERIENCE WITH EASE

Add more color if you want! Mystic Light Extension pin header provides an intuitive way to control additional RGB strips and other RGB peripherals added to a system, without needing a separate RGB controller.

MSI’s newly designed CLICK BIOS X offers an aesthetically pleasing and user-friendly experience. The new design ensures that users of all experience levels can quickly access and adjust system configurations with ease.

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