



# Mainboard MSI AMD B850 SAM5 Micro-ATX Memory DDR5 Memory slots 4 PROB850M- PWIFI



Modelis: PRO B850M-P WIFI

Gamintojas: MSI

EAN: 4711377350181

Prekės kodas: 356753

## 167.98€

### PRO B850M-P WIFI

PRO B850M-P WIFI offers a simple design with a harmonious silver color scheme that perfectly matches both white and 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 EZ M.2 Shield Frozr 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

Pateikta prekės informacija yra orientacinio pobūdžio. Techninės savybės, nuotraukos, aprašymai ir kaina gali keistis be išankstinio perspėjimo. Gamintojas ir pardavėjas neatsako už galimus duomenų neatitikimus ar tipografines klaidas. Prieš įsigyjant rekomenduojame pasitikrinti aktualią informaciją.

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

### **DIRECT 7+2+1 POWER DESIGN**

Unleash and sustain the maximum performance with a VRM design built with a total of 7+2+1 digital power phases. With an 8-pin power connector, PRO B850M-P WIFI is ready for the challenge of heavy-loading tasks.

### **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.

### **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.

### **Extended Heatsink**

Extended Heatsink enlarges the surface of heat dissipation and maintain the performance at heavy loads.

### **M.2 Shield Frozr**

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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.

### **HIGH-BANDWIDTH AND LOW-LATENCY NETWORK**

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

### **THE NEXT GEN WI-FI SOLUTION - WI-FI 7**

Wi-Fi 7 is the latest wireless solution that takes a huge leap forward with multiple improvements to meet the traffic demand brought and the growing number of wireless devices.

### **HIGH-BANDWIDTH AND LOW-LATENCY NETWORK**

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### **HIGH-BANDWIDTH AND LOW-LATENCY NETWORK**

5G LAN

5G LAN

Wi-Fi 7

Wi-Fi 7

EZ Antenna with Magnetic Stand

EZ Antenna with Magnetic Stand

### **THE NEXT GEN WI-FI SOLUTION - WI-FI 7**

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Wi-Fi 7 is the latest wireless solution that takes a huge leap forward with multiple improvements to meet the traffic demand brought and the growing number of wireless devices.

\*Windows 11 compatibility only

Upgrade to Wi-Fi 7

Higher Order Modulation

Multi-Link Operation

Wi-Fi 7 (802.11be) introduced higher speeds, wider channels, improved efficiency, and reduced latency over Wi-Fi 6 (802.11ax). It also improved battery life and provided better performance in crowded environments.

## 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.

## MSI AI LAN MANAGER

- Automatically prioritizes games above other applications
- Allows to change applications' traffic priority
- Allows to customize bandwidth for each application
- Analysis Wi-Fi signals to select the best source

- Supports AMD Ryzen™ 9000 / 8000 / 7000 Series Desktop Processors
- Supports DDR5 Memory, Dual Channel DDR5 8200+ MT/s (OC)
- Ultra Performance: Direct 7+2+1 Power System with P-PAK, 8-pin CPU power connector, Core Boost, Memory Boost, 6-layer PCB made by 2oz thickened copper and server-grade level material
- Frozr Guard: Extended Heatsink, MOSFET thermal pads rated for 7W/mK, additional choke thermal pads and EZ M.2 Shield Frozr II are built for high performance system and non-stop experience
- EZ DIY: EZ M.2 Shield Frozr II, EZ M.2 Clip II, EZ PCIe Clip II and EZ Antenna

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- Lightning Fast Game experience: PCIe 5.0 slot and Lightning Gen 5 x4 M.2
- 5G LAN with Wi-Fi 7 Solution: the latest solution for professional and multimedia use, delivering secure, stable, and high-speed networking and data transmission
- Audio Boost: Reward your ears with studio grade sound quality for the most immersive gaming experience

Summary: MSI PRO B850M-P WIFI. Processor manufacturer: AMD, Processor socket: Socket AM5, Compatible processor series: AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series. Supported memory types: DDR5-SDRAM, Maximum internal memory: 256 GB, Memory slots type: DIMM. Supported storage drive interfaces: M.2, Supported storage drive types: HDD & SSD, RAID levels: 0, 1, 10. Ethernet interface type: 5 Gigabit Ethernet, Top Wi-Fi standard: Wi-Fi 7 (802.11be), Wi-Fi standards: 802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax), Wi-Fi 6E.... Component for: PC, Motherboard form factor: micro ATX, Motherboard chipset family: AMD | Vendor Homepage: <https://www.msi.com/Motherboard/PRO-B850M-P-WIFI/Overview> | Audio chip: Realtek ALC897 | Audio output channels: 7.1 | Component for: PC | Motherboard chipset: AMD B850 | Motherboard chipset family: AMD | Motherboard form factor: micro ATX | Product colour: Black | Windows operating systems supported: Windows 11 x64 | Compatible processor series: AMD Ryzen 7000 Series/AMD Ryzen 8000 Series/AMD Ryzen 9000 Series | Processor manufacturer: AMD | Processor socket: Socket AM5 | Supported processor sockets: Socket AM5 | ECC compatibility: Non-ECC | Maximum internal memory: 256 | Memory channels: Dual-channel | Memory slots type: DIMM | Number of memory slots: 4 | Supported memory clock speed (max): 8200 | Supported memory clock speeds: 6000/6400/8200 | Supported memory types: DDR5-SDRAM | Number of HDDs supported: 4 | Number of storage drives supported: 7 | RAID levels: 0/1/10 | RAID support: Yes | Supported storage drive interfaces: M.2 | Supported storage drive types: HDD & SSD | On-board graphics card: No | ATX Power connector (24-pin): Yes | CPU fan connector: Yes | Front panel audio connector: Yes | Front panel connector: Yes | Number of CPU fan connectors: 2 | Number of RGB LED pin headers: 3 | Number of SATA III connectors: 4 | Number of water pump connectors: 1 | RGB LED pin header: Yes | Total number of SATA connectors: 4 | USB 2.0 connectors: 4 | USB 3.2 Gen 1 (3.1 Gen 1) connectors: 2 | USB 3.2 Gen 2 (3.1 Gen 2) connectors: 1 | Ethernet LAN (RJ-45) ports: 1 | HDMI ports quantity: 1 | HDMI version: 2.1 | USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity: 4 | USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity: 3 | USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity: 2 | Bluetooth: Yes | Bluetooth version: 5.4 | Ethernet interface type: 5 Gigabit Ethernet | Ethernet LAN: Yes | Top Wi-Fi standard: Wi-Fi 7 (802.11be) | Wi-Fi: Yes | Wi-Fi standards: 802.11a/802.11b/802.11g/Wi-Fi 4 (802.11n)/Wi-Fi 5 (802.11ac)/Wi-Fi 6 (802.11ax)/Wi-Fi 6E

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(802.11ax)/Wi-Fi 7 (802.11be) | 1st M.2 highest PCI Express generation: 5.0 | 1st M.2 largest key size: 2280 | 2nd M.2 highest PCI Express generation: 5.0 | 2nd M.2 largest key size: 2280 | 3rd M.2 highest PCI Express generation: 4.0 | 3rd M.2 largest key size: 2280 | Number of M.2 (M) slots: 3 | PCI Express x16 (Gen 3.x) slots: 1 | PCI Express x16 (Gen 4.x) slots: 1 | PCI Express x16 (Gen 5.x) slots: 1 | PCI Express x16 slots: 1 | PCI Express x4 slots: 1 | ACPI version: 6.5 | BIOS memory size: 256 | BIOS type: UEFI AMI | System Management BIOS (SMBIOS) version: 3.7 | Depth: 243.84 | Width: 243.84 | Model: PRO B850M-P WIFI | Units per Pallet: 0 | Units per Shipping Box: 10 | Unit Calculated Volume: 0.006568 | Unit Calculated Weight: 1.41

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