

Mainboard ASROCK 1xPCI-Express 4.0 4x 1xPCI-Express 5.0 16x 1xM.2 1xHDMI 1xDisplayPort 1xAudio-In 1xAudio-Out 1xMicrophone 4xUSB 2.0 3xUSB 3.2 1xUSB-C 1xRJ45 B850MPRO-AWIFI

Model: B850M PRO-A WIFI

Manufacturer: ASROCK

EAN: 4711581490376

Product Code: 725793

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R3,331

Optimized for stability, durability, and efficiency. It combines reliable performance, user-friendly features and streamlined style for daily computing tasks.

Performance

Optimized VRM Design

VRM Design

8+2+1 Power Phase Design

Featuring sturdy components and completely smooth power delivery to the CPU, offering enhanced performance for gamers.

Dr. MOS

Dr.MOS is the integrated power stage solution which is optimized for synchronous buck-set down voltage applications! Compared to traditional discrete MOSFETs, it intelligently delivers higher current for each phase, thus providing improved thermal result and superior performance.

Power Connector

Hi-Density Power Connector

CPU overclocking requires higher current. ASRock Hi-Density Power Connectors are designed to withstand higher currents compared to traditional CPU and ATX power connectors, providing a more stable system and reducing the risk of fire during heavy overclocking.

6 Layer PCB

The 6 Layer PCB provides stable signal traces and power shapes delivering lower temperature and higher energy efficiency for memory overclocking! Thus, it's able to support the latest memory modules with most extreme memory performance!

DDR5 XMP & EXPO Support

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Derived from the “built for stable and reliable” designing concept, ASRock does not compromise on any details. This motherboard is built with high quality materials, enthusiasts are able to enjoy the boost of DDR5 memory overclocking performance by enabling the pre-tested profiles. Make sure the memory modules are Intel® XMP/AMD EXPO™ capable and overclocking can be made so affordable, satisfying and absolutely no sweat at all.

High Speed M.2 Solution

PCIe Gen5 Blazing M.2

The Blazing M.2 accommodates the latest PCI Express 5.0 standard to perform twice the bandwidth compared to previous generation, with a breathtaking 128Gb/s transfer speed, it is ready to unleash the full potential of future ultrafast SSDs.

Hyper M.2 Gen4 x4

Supports PCI Express 4.0 M.2 SSDs, it is capable of perform twice the speed compared to previous 3rd generation, giving a lightning fast data transferring experience.

Cooling

Intelligent Cooling Design

Aluminum Heatsink

The first thing that catches the eye is the optimized Aluminum Heatsink Design. Heatsinks are crucial for efficient heat dissipation, especially during heavy workloads like gaming or productivity tasks. Motherboard that built with heatsinks can effectively manage thermal performance, hence ensure system stability and durability effortlessly.

PWM/DC Fan Support

ASRock fan headers automatically detect whether fans are running in DC or PWM mode, allowing users to fine-tune the fan curve and achieve quieter operation.

Fan-Tastic Tuning

ASRock A-Tuning Fan-Tastic Tuning function enables users to auto-detect the minimum duty of each fan with a single click. Users can also easily adjust the fan curve via the visualized UI interface, meeting their system's cooling performance and noise reduction requirements.

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Connectivity

Wi-Fi 6E 802.11axe

WiFi 6E technology has extended to the whole new 6GHz spectrum band, providing more WiFi capability and giving an even better and faster internet traffic. In addition to deliver higher speeds, the WiFi 6E also enhances the lower latency and supports service levels that are equivalent to 5G networks.

Dragon 2.5 Gb/s LAN

The intelligent 2.5Gb/s LAN platform is built for maximum networking performance for the demanding requirements of home networking, content creators, online gamers and high-quality streaming media. Boost networking performance up to 2.5X the bandwidth compared to the standard gigabit Ethernet, you'll enjoy the faster and uncompromised connectivity experience for gaming, file transfers and backups.

Stylish Design

POLYCHROME RGB

This motherboard features onboard RGB headers and addressable RGB headers that allow motherboard to be connected to compatible LED devices such as strip, CPU fans, coolers, chassis and so on. Users may also synchronize RGB LED devices across the Polychrome RGB Sync-certified accessories to create their own unique lighting effects.

SignalRGB

SignalRGB unifies your RGB devices, offering seamless customization, game-reactive effects, macro automation, and system monitoring. The official partnership empowers ASRock motherboards with advanced lighting control, enhances compatibility with a diverse range of RGB devices, and provides greater customization flexibility.

DIY Friendly

Dual Graphics Outputs

Complete with two types of most used connectors! Packed with a HDMI + DisplayPort combo, you have more graphics output options now.

Reinforced Steel Slot [PCIe 5.0 Version]

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The reinforced steel slot is capable of supporting PCI Express 5.0 standard. The various benefits include:

- Extra anchor points
- Stronger latch
- Ensure signal stability
- Make sure heavy graphics cards to be well-installed.

EZ Setting

Auto Driver Installer

No need to worry about lack of disk drive! Asrock preinstall LAN driver to ensure that you are able to install all drivers needed in an easier way than using SCD.

BIOS Flashback

Get the most convenient BIOS flashing with just a simple click. Users can easily achieve the latest BIOS support with a USB and a power supply. No CPU, RAM or other components are required.

- Supports AMD Socket AM5 Ryzen™ 9000, 8000 and 7000 Series Processors
- 8+2+1 Phase Power Design, Dr.MOS for VCore+SOC+MISC
- 4 x DDR5 DIMMs, Supports Dual Channel, up to 8000+ (OC)
- 1 PCIe 5.0 x16, 1 PCIe 4.0 x4
- Graphics Output Options: 1 HDMI, 1 DisplayPort
- Realtek ALC897 7.1 CH HD Audio Codec
- 1 Blazing M.2 (PCIe Gen5x4), 2 Hyper M.2 (PCIe Gen4x4), 4 SATA3
- 1 USB 3.2 Gen2 Type-C (Rear), 1 USB 3.2 Gen2 Type-A (Rear), 1 USB 3.2 Gen1 Type-C (Front), 6 USB 3.2 Gen1 (2 Rear, 4 Front), 8 USB 2.0 (4 Rear, 4 Front)
- Realtek 2.5G LAN
- 802.11axe WiFi 6E +Bluetooth

Summary: Asrock B850M Pro-A 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: PCI Express 4.0, PCI Express 5.0, SATA III, Supported storage drive types: HDD & SSD, RAID levels: 0, 1, 10. Maximum resolution: 3840 x 2160 pixels. USB connector type: USB Type-A, USB Type-C | Vendor Homepage:

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https://www.asrock.com/MB/AMD/B850M%20Pro-A%20WiFi/index.asp | Pagrindinės plokštės lustas: AMD B850 | Garso lustas: Realtek ALC897 | Produkto spalva: Juoda | Taikoma: PC | Motininės plokštės formos faktorius: „micro ATX“ | Garso išvesties kanalai: 7.1 | Motininės plokštės sisteminio valdiklio šeima: AMD | Palaikomos „Windows“ operacinės sistemos: Windows 10 x64/Windows 11 x64 | Sertifikavimas: FCC, CE, ErP/EuP | Procesoriaus gamintojas: AMD | Procesoriaus lizdas: AM5 lizdas | Procesorių suderinamumas: AMD Ryzen 7000 Series/AMD Ryzen 8000 Series/AMD Ryzen 9000 Series | Palaikomi procesoriaus lizdai: AM5 lizdas | Palaikomi atminties tipai: DDR5-SDRAM | Atminties angų skaičius: 4 | Atminties angų tipas: DIMM | Atminties kanalai: Dviejų kanalų | ECC suderinamumas: EEB priklausančios ir nepriklausančios valstybės | Maksimali vidinė atmintis: 256 | Nebuferizuota atmintis: Taip | Palaikomi saugojimo kaupiklių tipai: HDD & SSD | Palaikomi saugojimo kaupiklių sąsajos: PCI Express 4.0,PCI Express 5.0,SATA III | Palaikomų saugojimo tvarkyklių skaičius: 7 | RAID palaikymas: Taip | RAID lygiai: 0/1/10 | Paralelinio apdorojimo technologijos parama: Nepalaikomas | Maksimali rezoliucija: 3840 x 2160 | HDCP: Taip | USB 2.0 jungtys: 2 | USB 3.2 (3.1 1 kart.) jungtys: 3 | SATA III jungčių skaičius: 4 | Priekinio skydelio audio jungtis: Taip | ATX maitinimo jungtis: Taip | CPU fan jungtis: Taip | Centrinio procesoriaus ventiliatoriaus jungčių skaičius: 2 | Šasi fenų jungčių skaičius: 3 | EPS maitinimo jungtis (8-kaisčiai): Taip | EPS maitinimo jungčių (8 kontaktų) skaičius: 1 | 12 V maitinimo jungtis: Taip | TPM jungtis: Taip | RGB LED kontaktų pagrindas: Taip | RGB šviesos diodų kontaktų grupių skaičius: 1 | USB 2.0 portų kiekis: 4 | USB 3.2 (3.1 1 kart.) A tipo prievadų skaičius: 2 | USB 3.2 2 kart. (3.1 2 kart.) A tipo prievadų skaičius: 1 | USB 3.2 2 kart. (3.1 2 kart.) C tipo prievadų skaičius: 1 | Ethernet LAN (RJ-45) portų kiekis: 1 | HDMI portų kiekis: 1 | HDMI versija: 2.1 | „DisplayPort“ kiekis: 1 | „DisplayPort“ versija: 1.4 | Ausinių išvestys: 3 | Įvedimas: Taip | Mikrofonas, line-in jack: Taip | WiFi-AP antenos lizdas: 2 | USB jungtis: C tipo USB/USB A tipo | Ethernet LAN jungtis: Taip | Eterneto sąsajos tipas: 2.5 Gigabit Ethernet | LAN kontroleris: Dragon RTL8125BG | „Wi-Fi“: Taip | „Wi-Fi“ standartas: Wi-Fi 6E (802.11ax) | Wi-Fi standartai: 802.11a/802.11b/802.11g/Wi-Fi 4 (802.11n)/Wi-Fi 5 (802.11ac)/Wi-Fi 6 (802.11ax)/Wi-Fi 6E (802.11ax) | Bluetooth: Taip | Bluetooth versija: 5.2 | „PCI Express x4“ („Gen 4.x“) lizdai: 1 | „PCI Express x16“ („Gen 5.x“) lizdai: 1 | M.2 (M) angų skaičius: 3 | 1-ojo M.2 didžiausiasis kodą atitinkantis dydis: 2280 | 1-ojo M.2 naujausioji „PCI Express“ karta: 5.0 | 2-ojo M.2 didžiausiasis kodą atitinkantis dydis: 2280 | 2-ojo M.2 naujausioji „PCI Express“ karta: 4.0 | 3-iojo M.2 didžiausiasis kodą atitinkantis dydis: 2280 | 3-iojo M.2 naujausioji „PCI Express“ karta: 4.0 | BIOS tipas: UEFI AMI | BIOS atminties dydis: 256 | Plotis: 244 | Ilgis: 244 | Pridedama antena: Taip | Pridėti kabeliai: SATA | Bruto svoris: 1.38 | Neto svoris: 0.9 | Vienetų skaičius vienoje siuntimo dėžėje: 10 | Vieneto plotis: 26.5 | Shipping Box Height: 32 | Vieneto gylis: 30 | Vieneto aukštis: 6 | Name: MB AMD B850 SAM5 MATX/B850M

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