

MB AM5 AsRock B850 PRO-A

Šifra:

Kategorija proizvoda: Matične ploče za AMD socket

Proizvođač: AS Rock

Cena: **18.116,00** rsd.

MB AM5 AsRock B850 PRO-A

Unique Feature

Superb Productivity

- PCIe Gen5 (Graphics, M.2)
- Dual Channel DDR5

Rock-Solid Durability

- 14+2+1 Power Phase, 80A Dr.MOS for VCore+SOC+MISC

Ultrafast Connectivity

- 2.5G LAN

EZ Update

- BIOS Flashback Button
- ASRock Auto Driver Installer

EZ Troubleshooter

- [ASRock Post Status Checker](#)

CPU

- Supports AMD Socket AM5 Ryzen™ 9000, 8000 and 7000 Series Processors*

* The availability of expansion slots may vary by CPU. Please refer to PCIe/M.2 Bandwidth Table for details.

Chipset

- AMD B850

Memory

- Dual Channel DDR5 Memory Technology
- 4 x DDR5 DIMM Slots
- Supports DDR5 ECC/non-ECC, un-buffered memory up to 8000+(OC)
- Max. capacity of system memory: 256GB
- Supports Extreme Memory Profile (XMP) and EXTended Profiles for Overclocking (EXPO) memory modules

BIOS

- 256Mb AMI UEFI Legal BIOS with GUI support

Graphics

Integrated AMD RDNA™ graphics (Actual support may vary by CPU)

- 1 x HDMI 2.1 TMDS/FRL 8G Compatible, supports HDR, HDCP 2.3 and max. resolution up to 4K 120Hz
- 1 x USB 3.2 Gen1 Type-C, supports DP 1.4 HBR3 and max. resolution up to 4K 60Hz (DP-alt mode supports DP1.4a)

Audio

- 7.1 CH HD Audio (Realtek ALC897 Audio Codec)

LAN

- 2.5 Gigabit LAN 10/100/1000/2500 Mb/s
- Dragon RTL8125BG
- Supports Dragon 2.5G LAN Software
- Smart Auto Adjust Bandwidth Control
- Visual User Friendly UI
- Visual Network Usage Statistics

Optimized Default Setting for Game, Browser, and Streaming Modes

- User Customized Priority Control

Slots

CPU:

- 1 x PCIe 5.0 x16 Slot (PCIE1), supports x16 mode*

Chipset:

- 1 x PCIe 4.0 x16 Slot (PCIE2), supports x4 mode*
- 1 x M.2 Socket (Key E), supports type 2230 WiFi/BT PCIe WiFi module
- 15µ Gold Contact in VGA PCIe Slot (PCIE1)

* PCIE1 will run at Gen5x16 with 9000 and 7000 series processors, Gen4x8 with 8000 (Phoenix 1) series processors and Gen4x4 with 8000 (Phoenix 2) series processors.

If M2_3 is occupied, PCIE2 will be disabled.

Supports NVMe SSD as boot disks

Storage

CPU:

- 1 x Blazing M.2 Socket (M2_1, Key M), supports type 2280 PCIe Gen5x4 (128 Gb/s) mode*
- 1 x Hyper M.2 Socket (M2_2, Key M), supports type 2280 PCIe Gen4x4 (64 Gb/s) mode*

Chipset:

- 1 x Hyper M.2 Socket (M2_3, Key M), supports type 2230/2242/2260/2280 PCIe Gen4x4 (64 Gb/s) mode*
- 1 x Ultra M.2 Socket (M2_4, Key M), supports type 2280 PCIe Gen3x4 (32 Gb/s) mode*
- 2 x SATA3 6.0 Gb/s Connectors

ASMedia ASM1061:

- 2 x SATA3 6.0 Gb/s Connectors

* Supports NVMe SSD as boot disks

M2_1 is the first priority for M.2 installation.

M2_1 will run at Gen5x4 with 9000 and 7000 series processors and Gen4x4 with 8000 (Phoenix 1 and Phoenix 2) series processors.

M2_2 will run at Gen4x4 with 9000 and 7000 series processors, Gen4x4 with 8000 (Phoenix 1) series processors and Gen4x2 with 8000 (Phoenix 2) series processors.

If M2_3 is occupied, PCIE2 will be disabled.

If SATA3_1 or SATA3_2 is occupied, M2_4 will downgrade to Gen3x2 mode.

RAID

- Supports RAID 0 and RAID 1 for SATA storage devices
- Supports RAID 0, RAID 1 and RAID 10 for M.2 NVMe storage devices

USB

CPU:

- 1 x USB 3.2 Gen2 Type-C (Rear)
- 1 x USB 3.2 Gen1 Type-C (Rear)
- 2 x USB 3.2 Gen1 Type-A (Rear (USB32_1 and USB32_2))

Chipset:

- 1 x USB 3.2 Gen2x2 Type-C (Front)
- 4 x USB 3.2 Gen1 Type-A (2 Rear (USB32_3 and USB32_4), 2 Front)
- 9 x USB 2.0 (6 Rear, 3 Front)

* All USB ports support ESD Protection

Connector

- 1 x SPI TPM Header
- 1 x Power LED and Speaker Header
- 1 x RGB LED Header*
- 3 x Addressable LED Headers**
- 2 x CPU Fan Connectors (4-pin) (Smart Fan Speed Control)***
- 4 x Chassis Fan Connectors (4-pin) (Smart Fan Speed Control)***
- 1 x AIO Pump Fan Connector (4-pin) (Smart Fan Speed Control)***
- 1 x 24 pin ATX Power Connector
- 2 x 8 pin 12V Power Connectors (Hi-Density Power Connector)
- 1 x Front Panel Audio Connector
- 2 x USB 2.0 Headers (Support 3 USB 2.0 ports)
- 1 x USB 3.2 Gen1 Header (Supports 2 USB 3.2 Gen1 ports)
- 1 x Front Panel Type C USB 3.2 Gen2x2 Header (20 Gb/s)

* Supports in total up to 12V/3A, 36W LED Strip

** Support in total up to 5V/3A, 15W LED Strip

*** CPU_FAN1 supports the fan power up to 1A (12W).

CPU_FAN2, CHA_FAN1~4 and AIO_PUMP support the fan power up to 3A (36W).

CPU_FAN2, CHA_FAN1~4 and AIO_PUMP can auto detect if 3-pin or 4-pin fan is in use.

Rear Panel I/O

- 2 x Antenna Mounting Points
- 1 x HDMI Port
- 1 x USB 3.2 Gen2 Type-C Port (10 Gb/s)
- 1 x USB 3.2 Gen1 Type-C Port (DP-alt mode supports DP1.4a)
- 4 x USB 3.2 Gen1 Type-A Ports
- 6 x USB 2.0 Ports
- 1 x RJ-45 LAN Port
- 1 x BIOS Flashback Button
- HD Audio Jacks: Line in / Front Speaker / Microphone

Software and UEFI

Software

- ASRock Motherboard Utility (A-Tuning)
- ASRock Dragon 2.5G LAN Software
- ASRock Polychrome SYNC*

UEFI

- ASRock EZ Mode
- ASRock Full HD UEFI
- ASRock Auto Driver Installer
- ASRock Instant Flash

*These utilities can be downloaded from ASRock Live Update & APP Shop.

Accessories

- 1 x I/O Shield
- 2 x SATA Data Cables
- 1 x Screw for M.2 Socket

Form Factor

- ATX Form Factor: 12.0-in x 9.6-in, 30.5 cm x 24.4 cm
- 8 Layer PCB

OS

- Microsoft Windows® 10 64-bit / 11 64-bit