



ASRock

MB AM5 AsRock B850M Challenger WiFi White

Dostupnost: NA STANJU

MP cena: 22.490,00 din

Šifra proizvoda: 52916

19.690,00 din

Ušteda: 2.800,00 din

Specifikacija

- 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
- *Please refer to Memory Support List on ASRock's website for more information.
- BIOS
 - 512Mb 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
- Audio
 - 7.1 CH HD Audio (Realtek ALC897 Audio Codec)
 - Nahimic Audio
- 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

Wireless LAN- 802.11be 2x2 Wi-Fi 7 Module

- Supports IEEE 802.11a/b/g/n/ac/ax/be
- Supports 2.4GHz/5GHz/6GHz frequency band*
- Supports 160MHz channel bandwidth with 6GHz frequency band*
- 2 antennas to support 2 (Transmit) x 2 (Receive) diversity technology
- Supports Bluetooth 5.4
- Supports MU-MIMO

*The Wi-Fi 7 module is supported by Microsoft Windows® 11 only. There is no driver available for Windows® 10. The availability of the 6GHz band will depend on the different regulation status of each country and region. It will be activated (for supported countries) through Windows® Update and software updates once available.

SlotsCPU:

Chipset:

4 PCI 1.0 x16 (PCI-E)

- 1 x PCIe 4.0 x1 Slot (PCIe2)*
- 1 x PCIe 4.0 x16 Slot (PCIe3), supports x4 mode*
- 1 x M.2 Socket (Key E), supports type 2230 WiFi/BT PCIe WiFi module

*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.

Supports NVMe SSD as boot disksStorageCPU:

- 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:

- 4 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.RAID- Supports RAID 0, RAID 1 and RAID 10 for SATA storage devices

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

*Requires additional M.2 NVMe expansion cards to support RAID 10USBCPU:

- 4 x USB 3.2 Gen1 Type-A (Rear (USB32_2, USB32_34, USB32_6))
- 1 x USB 2.0 (Rear (USB_2))

Chipset:

- 1 x USB 3.2 Gen1 Type-C (Front)
- 4 x USB 3.2 Gen1 Type-A (2 Rear (USB32_1 and USB32_5), 2 Front)
- 5 x USB 2.0 (1 Rear (USB_1), 4 Front)

*All USB ports support ESD ProtectionConnector- 1 x Thermistor Cable Header

- 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)***
- 3 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
- 1 x 8 pin 12V Power Connector (Hi-Density Power Connector)
- 1 x 4 pin 12V Power Connector (Hi-Density Power Connector)
- 1 x Front Panel Audio Connector
- 2 x USB 2.0 Headers (Support 4 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 Gen1 Header

*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_FAN1~3 and AIO_PUMP support the fan power up to 3A (36W).

CPU_FAN2, CHA_FAN1~3 and AIO_PUMP can auto detect if 3-pin or 4-pin fan is in use.Rear Panel I/O- 2 x Antenna Ports

- 1 x HDMI Port
- 6 x USB 3.2 Gen1 Ports (USB32_56 are Lightning Gaming Ports.)
- 2 x USB 2.0 Ports
- 1 x RJ-45 LAN Port
- 1 x BIOS Flashback Button
- HD Audio Jacks: Line in / Front Speaker / MicrophoneSoftware and UEFI**Software**
- ASRock Motherboard Utility (A-Tuning)
- ASRock Dragon 2.5G LAN Software
- ASRock Polychrome SYNC*

UEFI

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

*These utilities can be downloaded from ASRock Live Update & APP Shop. Accessories- 2 x SATA Data Cables
- 2 x ASRock WiFi 2.4/5/6 GHz Antennas Form Factor- Micro ATX Form Factor: 9.6-in x 9.6-in, 24.4 cm x 24.4 cm