

MB AM4 AsRock B450M-HDV R4.0 90-MXB9N0-A0UAYZ

Šifra: 61779

Kategorija proizvoda: AMD MATIČNE PLOČE

Proizvođač: asrock

Cena: **7.430,00** rsd.



ASRock Super Alloy

- High Density Glass Fabric PCB
- Sapphire Black PCB

ASRock Ultra M.2 (PCIe Gen3 x4 & SATA3)

ASRock Full Spike Protection (for all USB, Audio, LAN Ports)

ASRock Live Update & APP Shop

CPU

- Supports AMD AM4 Socket Ryzen™ 2000, 3000 and 5000 Series Desktop Processors
- 6 Power Phase design
- Supports CPU up to 105W

Chipset

- AMD Promontory B450

Memory

- Dual Channel DDR4 Memory Technology
- 2 x DDR4 DIMM Slots
- AMD Ryzen series CPUs (Matisse) support DDR4 3200 / 2933 / 2667 / 2400 / 2133 ECC & non-ECC, un-buffered memory*
- AMD Ryzen series CPUs (Pinnacle Ridge) support DDR4 3200+(OC) / 2933(OC) / 2667 / 2400 / 2133 ECC & non-ECC, un-buffered memory*
- AMD Ryzen series CPUs (Picasso) support DDR4 2933 / 2667 / 2400 / 2133 non-ECC, un-buffered memory*
- AMD Ryzen series CPUs (Summit Ridge) support DDR4 3200+(OC) / 2933(OC) / 2667 / 2400 / 2133 ECC & non-ECC, un-buffered memory*
- AMD Ryzen series CPUs (Raven Ridge) support DDR4 3200+(OC) / 2933 / 2667 / 2400 / 2133 non-ECC, un-buffered memory*
- Max. capacity of system memory: 64GB*
- Supports Extreme Memory Profile (XMP) memory modules
- 15μ Gold Contact in DIMM Slots

*For Ryzen Series CPUs (Picasso and Raven Ridge), ECC is only supported with PRO CPUs.

Please refer to below table for DDR4 UDIMM maximum frequency support.

Ryzen Series CPUs (Matisse):

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Ryzen Series CPUs (Pinnacle Ridge):

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Ryzen Series CPUs (Picasso):

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Ryzen Series CPUs (Summit Ridge):

Image not found or type unknown



Ryzen Series CPUs (Raven Ridge):

Image not found or type unknown



SR: Single rank DIMM, 1Rx4 or 1Rx8 on DIMM module label

DR: Dual rank DIMM, 2Rx4 or 2Rx8 on DIMM module label

**Due to the operating system limitation, the actual memory size may be less than 4GB for the reservation for system usage under Windows® 32-bit OS. For Windows® 64-bit OS with 64-bit CPU, there is no such limitation.

BIOS

- 128Mb AMI UEFI Legal BIOS with GUI support
- Supports "Plug and Play"
- ACPI 5.1 compliance wake up events
- Supports jumperfree
- SMBIOS 2.3 support
- DRAM Voltage multi-adjustment

Graphics

- Integrated AMD Radeon™ Vega Series Graphics in Ryzen Series APU*
- DirectX 12, Pixel Shader 5.0
- Shared memory default 2GB. Max Shared memory supports up to 16GB.**
- Three graphics output options: D-Sub, DVI-D and HDMI
- Supports Triple Monitor
- Supports HDMI with max. resolution up to 4K x 2K (4096x2160) @ 24Hz / (3840x2160) @ 30Hz
- Supports DVI-D with max. resolution up to 1920x1200 @ 60Hz
- Supports D-Sub with max. resolution up to 2048x1536 @ 60Hz
- Supports Auto Lip Sync, Deep Color (12bpc), xvYCC and HBR (High Bit Rate Audio) with HDMI Port

(Compliant HDMI monitor is required)

- Supports HDCP 1.4 with DVI-D and HDMI Ports
- Supports 4K Ultra HD (UHD) playback with HDMI Port

*Actual support may vary by CPU

**The Max shared memory 16GB requires 32GB system memory installed.

Audio

- 7.1 CH HD Audio (Realtek ALC887/897 Audio Codec)
- Supports Surge Protection

LAN

- PCIE x1 Gigabit LAN 10/100/1000 Mb/s
- Realtek RTL8111H
- Supports Wake-On-LAN
- Supports Lightning/ESD Protection
- Supports Energy Efficient Ethernet 802.3az
- Supports PXE

Slots

AMD Ryzen series CPUs (Matisse, Summit Ridge and Pinnacle Ridge)

- 1 x PCI Express 3.0 x16 Slot (PCIE2: x16 mode)*

AMD Ryzen series CPUs (Picasso, Raven Ridge)

- 1 x PCI Express 3.0 x16 Slot (PCIE2: x8 mode)*

AMD Athlon series CPUs

- 1 x PCI Express 3.0 x16 Slot (PCIE2: x4 mode)*

- 1 x PCI Express 2.0 x1 Slot

*Supports NVMe SSD as boot disks

Storage

- 4 x SATA3 6.0 Gb/s Connectors, support RAID (RAID 0, RAID 1 and RAID 10), NCQ, AHCI and Hot Plug
- 1 x Ultra M.2 Socket, supports M Key type 2242/2260/2280 M.2 SATA3 6.0 Gb/s module and M.2 PCI Express module up to Gen3 x4 (32 Gb/s) (with Matisse, Picasso, Summit Ridge, Raven Ridge and Pinnacle Ridge) or Gen3 x2 (16 Gb/s) (with Athlon series APU)*

*Supports NVMe SSD as boot disks

Supports ASRock U.2 Kit

Connector

- 1 x COM Port Header
- 1 x TPM Header
- 1 x Chassis Intrusion and Speaker Header
- 1 x CPU Fan Connector (4-pin)*
- 2 x Chassis Fan Connectors (1 x 3-pin, 1 x 4-pin)**
- 1 x 24 pin ATX Power Connector
- 1 x 4 pin 12V Power Connector
- 1 x Front Panel Audio Connector
- 2 x USB 2.0 Headers (Support 4 USB 2.0 ports) (Supports ESD Protection)
- 1 x USB 3.1 Gen1 Header (Supports 2 USB 3.1 Gen1

ports) (Supports ESD Protection)

*The CPU Fan Connector supports the CPU fan of maximum 1A (12W) fan power.

**The Chassis Fan Connector supports the chassis fan of maximum 1A (12W) fan power.

Rear Panel I/O

- 1 x PS/2 Mouse/Keyboard Port
- 1 x D-Sub Port
- 1 x DVI-D Port
- 1 x HDMI Port
- 2 x USB 2.0 Ports (Supports ESD Protection)
- 4 x USB 3.1 Gen1 Ports (Supports ESD Protection)
- 1 x RJ-45 LAN Port with LED (ACT/LINK LED and SPEED LED)
- HD Audio Jacks: Line in / Front Speaker / Microphone

Software and UEFI

Software

- ASRock A-Tuning
- ASRock XFast LAN

UEFI

- ASRock Full HD UEFI
- ASRock Instant Flash
- ASRock Easy RAID Installer

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

Support CD

- Drivers, Utilities, AntiVirus Software (Trial Version), Google Chrome Browser and Toolbar

Accessories

- Quick Installation Guide, Support CD, I/O Shield
- 2 x SATA Data Cables
- 1 x Screw for M.2 Socket

Hardware Monitor

- CPU/Chassis temperature sensing
- CPU/Chassis Fan Tachometer
- CPU/Chassis Quiet Fan
- CPU/Chassis Fan multi-speed control
- CASE OPEN detection
- Voltage monitoring: +12V, +5V, +3.3V, Vcore

Form Factor

- Micro ATX Form Factor: 9.0-in x 7.9-in, 23.0 cm x 20.1 cm
- Solid Capacitor design