

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

Šifra: 36013

Kategorija proizvoda: Matične ploče

Proizvođač: ASROCK

Cena: **5.990,00**



### 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

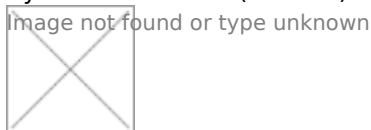
- AMD

### Memory

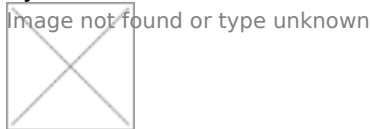
- Dual Channel DDR4 Memory Technology
- 2 x DDR4 DIMM Slots
- AMD Ryzen series CPUs (Matisse) support DDR4 3200 / 2933 / 2667 / 2400 / 2133 ECC & non-ECC, un-buffered memory\*
- AMD Ryzen series CPUs (Pinnacle Ridge) support DDR4 3200+(OC) / 2933(OC) / 2667 / 2400 / 2133 ECC & non-ECC, un-buffered memory\*
- 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):



### Ryzen Series CPUs (Pinnacle Ridge):



### Ryzen Series CPUs (Picasso):

Image not found or type unknown



#### 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

#### Graphi

- Integr
- Ryzen
- Direct
- Share
- support
- Three
- Suppo
- Suppo
- (4096x
- Suppo
- @ 60Hz
- Suppo
- @ 60Hz
- Suppo
- and HB
- (Compl
- Suppo
- Suppo

\*Actual

\*\*The M  
memor

#### Audio

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

#### LAN

- PCIe x
- Realte
- Suppo
- Suppo
- Suppo
- Suppo

#### 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.

#### 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.

#### Accessories

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

#### Form Factor

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

- Rear Panel
- 1 x PS/2
  - 1 x D-Sub
  - 1 x DVI
  - 1 x HDMI
  - 2 x USB
  - 4 x USB
  - 1 x RJ45 (LED)
  - HD Audio

Support  
- Driver  
Google

Hardware

- CPU/Cooler
- CPU/Cooler
- CPU/Cooler
- CPU/Cooler
- CASE
- Voltage