ASRock

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

Dostupnost: NA STANJU

Šifra proizovda: 21474

MP cena: 6.590,00 din

5.790,00 din

Ušteda: 800,00 din

Specifikacija

- **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):
  □

  Ryzen Series CPUs (Pinnacle Ridge):
  □

  Ryzen Series CPUs (Picasso):
  □

  Ryzen Series CPUs (Summit Ridge):
  □

  Ryzen Series CPUs (Raven Ridge):
  □

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 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