



ASRock

MB AM5 ASRock X870 NOVA WIFI

Dostupnost: NA STANJU

MP cena: 39.990,00 din

Šifra proizvoda: 47449

35.090,00 din

Ušteda: 4.900,00 din

Specifikacija

- Unique Feature
Superb Productivity
 - PCIe Gen5 (Graphics, M.2)
 - Dual Channel DDR5
 - USB4 Type-C Ports (40 Gb/s)**Rock-Solid Durability**
 - Server-Grade Low-Loss PCB
 - 18+2+1 Power Phase, 80A SPS for Vcore+SOC with Enlarged Heatsink Armor
 - Flexible Integrated I/O Shield
 - 20K Long-lasting Black Caps (high quality and conductive polymer capacitors) Ultrafast Gaming
 - 5G LAN, 802.11be Wi-Fi 7 Module
 - ASRock Lightning Gaming Ports**EZ Update**
 - BIOS Flashback Button
 - ASRock Auto Driver Installer
- 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 X870
- Memory
 - Dual Channel DDR5 Memory Technology
 - 4 x DDR5 DIMM Slots
 - Supports DDR5 ECC/non-ECC, un-buffered memory up to 8400+(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
 - 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
 - 2 x USB4, support HDCP 2.3 and max. resolution up to 8K 30Hz*

* Only the CPU's embedded graphics can be displayed through USB4 ports. If you want to display to a Type-C monitor, please use AM5 Ryzen™ 9000, 8000 and 7000 processors with embedded graphics.
- Audio
 - 7.1 CH HD Audio with Content Protection (Realtek ALC4082 Audio Codec)
 - Individual PCB Layers for R/L Audio Channel
 - Nahimic Audio
- LAN
 - 5 Gigabit LAN 10/100/1000/2500/5000 Mb/s
 - Realtek RTL8126
- Wireless LAN
 - 802.11be 2x2 Wi-Fi 7 Module

- 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
- 1 antenna 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.

- 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 Vertical M.2 Socket (Key E), supports type 2230 Wi-Fi/BT PCIe Wi-Fi 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.

If M2_5 is occupied, PCIe2 will downgrade to x2 mode.

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 Blazing M.2 Socket (M2_2, Key M), supports type 2280 PCIe Gen5x4 (128 Gb/s) mode* Chipset:

- 1 x M.2 Socket (M2_3, Key M), supports type 2280 SATA3 6.0 Gb/s & PCIe Gen3x2 (16 Gb/s) modes*

- 1 x Hyper M.2 Socket (M2_4, Key M), supports type 2280 PCIe Gen4x4 (64 Gb/s) mode*

- 1 x Hyper M.2 Socket (M2_5, Key M), supports type 2280 PCIe Gen4x4 (64 Gb/s) mode*

- 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.

If M2_2 is occupied, both rear USB4 Type-C Ports and M2_2 will downgrade to x2 mode.

You can switch M2_2 to x4 mode in BIOS setting, but doing so will disable USB4_TC1 and USB4_TC2.

If M2_3 is occupied, SATA3_1 and SATA3_2 will be disabled.

If M2_5 is occupied, PCIe2 will downgrade to x2 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:

- 2 x USB4 Type-C (Rear)

- 1 x USB 3.2 Gen2 Type-A (Rear (USB32_3))

- 1 x USB 3.2 Gen1 Type-A (Rear (USB32_1))

Chipset:

- 1 x USB 3.2 Gen2x2 Type-C (Front)

- 1 x USB 3.2 Gen2 Type-A (Rear (USB32_4))

- 6 x USB 3.2 Gen1 Type-A (2 Rear (USB32_2 and USB32_5), 4 Front)

- 8 x USB 2.0 (4 Rear, 4 Front)

* All USB ports support ESD Protection

- Connector

- 1 x Thermistor Cable Header

- 1 x Power LED and Speaker Header

- 1 x RGB LED Header*

- 3 x Addressable LED Headers**

- 2 x CPU Fan Connector (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 Water Pump Fan Connector (4-pin) (Smart Fan Speed Control)***

- 1 x 24 pin ATX Power Connector (Hi-Density Power Connector)

- 2 x 8 pin 12V Power Connectors (Hi-Density Power Connector)

- 1 x Front Panel Audio Connector (15µ Gold Audio Connector)
- 2 x USB 2.0 Headers (Support 4 USB 2.0 ports)
- 2 x USB 3.2 Gen1 Headers (Support 4 USB 3.2 Gen1 ports)
- 1 x Front Panel Type C USB 3.2 Gen2x2 Header (20 Gb/s)****
- 1 x Dr. Debug with LED
- 1 x Power Button with LED
- 1 x Reset Button with LED

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

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

**** Supports USB PD 3.0 up to 12V@3A (36W) charging

- Rear Panel I/O
 - 2 x Antenna Ports
 - 1 x HDMI Port
 - 1 x Optical SPDIF Out Port
 - 2 x USB4 Type-C Ports (40 Gb/s)*
 - 2 x USB 3.2 Gen2 Type-A Ports (10 Gb/s) (USB32_34 supports Ultra USB Power.)**
 - 3 x USB 3.2 Gen1 Type-A Ports (USB32_12 are Lightning Gaming Ports.)
 - 4 x USB 2.0 Ports
 - 1 x RJ-45 LAN Port
 - 1 x Clear CMOS Button
 - 1 x BIOS Flashback Button
 - 1 x Line Out Jack (Gold Audio Jack)
 - 1 x Microphone Input Jack (Gold Audio Jack)

* Supports USB PD 3.0 up to 5V@3A (15W) charging

USB4 controller(for USB4_TC1 and USB4_TC2) will run at Gen4x2 with with 8000 (Phoenix 2) series processors.

** Device exceeds USB 3.2 Type-A power rating of 5V@0.9A (4.5W) may trigger over-current protection (OCP), will require system reboot to restore USB power.

- Software and UEFI

Software

- ASRock Motherboard Utility (Phantom Gaming Tuning)
- 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
 - 2 x SATA Data Cables
 - 2 x ASRock WiFi 2.4/5/6 GHz Antennas
 - 1 x ARGB Splitter Cable
 - 1 x Thermistor Cable
- Form Factor
 - ATX Form Factor: 12.0-in x 9.6-in, 30.5 cm x 24.4 cm
 - 8 Layer PCB
 - 2oz Copper PCB
- OS
 - Microsoft Windows® 10 64-bit / 11 64-bit
- Certifications
 - FCC, CE
 - ErP/EuP ready (ErP/EuP ready power supply is required)

Link: <https://pg.asrock.com/mb/AMD/X870%20Nova%20WiFi/index.asp#Specification>

