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## MB AM5 ASRock X870 NOVA WIFI

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Šifra:

Kategorija proizvoda: Matične ploče za AMD socket

Proizvođač: AS Rock

Cena: **37.088,00** rsd.

## MB AM5 ASRock X870 NOVA WIFI

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
- 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 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.

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>