

Mainboard ASROCK AMD X870 SAM5 ATX Memory DDR5 Memory slots 4 1xPCI-Express 4



Mainboard ASROCK AMD X870 SAM5 ATX Memory DDR5 Memory slots 4 1xPCI-Express 4.0 16x 1xPCI- Express 5.0 16x 4xM.2 1xHDMI 6xUSB 2.0 4xUSB 3.2 2xUSB-C 1xOptical S/PDIF 1xRJ45 2xAudio port X870PRORSWIFI

Model: X870 PRO RS WIFI

Manufacturer: ASROCK

EAN: 4710483949333

Product Code: 725769

The product information provided is for reference purposes only. Technical specifications, photos, descriptions and prices may change without prior notice. The manufacturer and seller are not responsible for possible data discrepancies or typographical errors. We recommend checking the current information before purchasing.

itworkup.co.za | sales@itworkup.co.za | +27 (11)541-9950

R5,044

Modern and futuristic, with the attractive specifications and perfect balance, the Race Sport (RS) Edition is the evolution of the most popular PRO series motherboard.

Durable Cap with 1000uF Capacitance

The durable capacitors with 1000uF capacitance offers several benefits:

Higher Capacitance: Greater charge storage for better support under high loads.

Lower Ripple: Reduced power output fluctuations, improving quality.

More Stable Output Current: Stable power supply, minimizing voltage impacts.

Better Performance & System Stability: Increased reliability and consistent performance.

14+2+1 Power Phase Design

Featuring sturdy components and completely smooth power delivery to the CPU. Plus, it offers unmatched overclocking capabilities and enhanced performance with the lowest temperature for advanced gamers as well.

Dr. MOS

Dr.MOS is the integrated power stage solution which is optimized for synchronous buck-set down voltage applications! Compared to traditional discrete MOSFETs, it intelligently delivers higher current for each phase, thus providing improved thermal result and superior performance.

Hi-Density Power Connector

CPU overclocking requires higher current, ASRock Hi-Density Power connectors is able to withstand current higher traditional CPU 8-pin and ATX 24-pin connector, giving a more stable system as well as lowering the risk of fire under heavy overclocking.

8 Layer PCB design

The 8 Layer PCB provides stable signal traces and power shapes delivering lower temperature and

The product information provided is for reference purposes only. Technical specifications, photos, descriptions and prices may change without prior notice. The manufacturer and seller are not responsible for possible data discrepancies or typographical errors. We recommend checking the current information before purchasing.

itworkup.co.za | sales@itworkup.co.za | +27 (11)541-9950

higher energy efficiency, ensures a reliable and long-lasting system while delivering ultimate performance without any compromise.

DDR5 XMP & EXPO Support

Derived from the “built for stable and reliable” designing concept, ASRock does not compromise on any details. This motherboard is built with high quality materials, enthusiasts are able to enjoy the boost of DDR5 memory overclocking performance by enabling the pre-tested profiles. Make sure the memory modules are Intel® XMP/AMD EXPO™ capable and overclocking can be made so affordable, satisfying and absolutely no sweat at all.

* There are certain risks involved with memory overclocking and may affect your system’s stability. Please realize that overclocking should be done at your own risk and expense. EXPO/XMP profile support may vary by different system configuration, memory modules and motherboard models. Please refer to Memory QVL for the completed support list.

High Speed M.2 Solution

PCIe Gen5 Blazing M.2

The Blazing M.2 accommodates the latest PCI Express 5.0 standard to perform twice the bandwidth compared to previous generation, with a breathtaking 128GB/s transfer speed, it is ready to unleash the full potential of future ultrafast SSDs.

DIY Friendly Design

Besides the M.2 SSD toolless design on the motherboard, ASRock up a notch by introducing this industry first M.2 heatsink quick release mechanism on the motherboard. The user friendly toolless design helps installing M.2 SSD super easy & simple.

The M.2 bottom heatsink is able to dissipate heat of the M.2 SSD efficiently through the motherboard PCB, maximize performance while maintaining system stability.

Enlarged M.2 Heatsink

The extra large aluminum alloy M.2 heatsink effectively improves heat dissipation to keep those high speed M.2 SSDs as cool as possible, it is able to give better stability while maintaining top

The product information provided is for reference purposes only. Technical specifications, photos, descriptions and prices may change without prior notice. The manufacturer and seller are not responsible for possible data discrepancies or typographical errors. We recommend checking the current information before purchasing.

itworkup.co.za | sales@itworkup.co.za | +27 (11)541-9950

performance.

Tired of dropping screws or screws missing inside chassis?

The enhanced M.2 heatsink with anti-drop screw design that make sure installation process more easily.

Cooling

Intelligent Cooling Design

Aluminum Heatsink

The first thing that catches the eye is the optimized Aluminum Heatsink Design. Heatsinks are crucial for efficient heat dissipation, especially during heavy workloads like gaming or productivity tasks. Motherboard that built with heatsinks can effectively manage thermal performance, hence ensure system stability and durability effortlessly.

Connectivity

Wi-Fi 7 offers higher data throughput, lower latency, and Multi-link Operation. These features ensure a smooth and real-time interactive experience, making the VR/AR experience more immersive and connected.

Latest WiFi 7 technology delivers extreme wireless internet speeds and low latency, with higher throughput and Multi-RU as well as puncturing technology. The new WiFi 7(802.11be) technology is able to accelerate cloud-based gaming, 8K video streaming, and video conferencing.

Multi-link Operation (MLO) enables the simultaneous use of multiple bands and channels, boosting speed and throughput while reducing latency for a smoother, faster internet experience.

Enhanced USB4 Type-C

USB4 technology brings speed and versatility to the most advanced USB Type-C, offering a fast and simple level of connection for work or home. It enables lightning-fast 40Gbps data transfer bitrate.

The product information provided is for reference purposes only. Technical specifications, photos, descriptions and prices may change without prior notice. The manufacturer and seller are not responsible for possible data discrepancies or typographical errors. We recommend checking the current information before purchasing.

itworkup.co.za | sales@itworkup.co.za | +27 (11)541-9950

Dragon 2.5 Gb/s LAN

The intelligent 2.5Gb/s LAN platform is built for maximum networking performance for the demanding requirements of home networking, content creators, online gamers and high-quality streaming media. Boost networking performance up to 2.5X the bandwidth compared to the standard gigabit Ethernet, you'll enjoy the faster and uncompromised connectivity experience for gaming, file transfers and backups.

Front Panel USB 3.2 Gen2x2 Type-C Header

The latest USB 3.2 Gen2x2 Type-C delivers up to 20 Gbps data transfer rate which is 2x as fast as previous generation, providing a blazing fast data transfer interface with reversible USB Type-C design that fits the connector either way.

Nahimic Audio

Whether you are using headphones, a headset, external or internal speakers, via USB, Wi-Fi, analog output or even HDMI, Nahimic Audio offers you the most engaging listening experience, vibrant and rich with details.

The Powerful algorithms to ensure the best noise-free conversation, giving a constant vocal level no matter the distance from your mic. The Nahimic audio engine dynamically clear the sound and remove interference noise and lower the voice variation. Result is a better comprehension and less fatigue.

Static Noise Suppression

Echo Cancellation

Lateral Sound Cancellation

Voice Stabilizer

Sound Tracker

The Sound Tracker is a visual indicator that points out the directions from which predominant sounds are coming. Each sound is properly positioned in 360° on a radar for a full immersion during the game.

Works on any devices!

The product information provided is for reference purposes only. Technical specifications, photos, descriptions and prices may change without prior notice. The manufacturer and seller are not responsible for possible data discrepancies or typographical errors. We recommend checking the current information before purchasing.

itworkup.co.za | sales@itworkup.co.za | +27 (11)541-9950

Enjoy the vibrant and high-quality Surround Sound on all your favorite audio devices: Jack, USB, Bluetooth, HDMI, S/PDIF. Nahimic is compatible with all of your favorite audio tools and ensures the best sound with any of them. Nahimic measure and improve to optimize our technology and offer you the best experience.

Stylish Design

POLYCHROME RGB

This motherboard features onboard RGB headers and addressable RGB headers that allow motherboard to be connected to compatible LED devices such as strip, CPU fans, coolers, chassis and so on. Users may also synchronize RGB LED devices across the Polychrome RGB Sync-certified accessories to create their own unique lighting effects.

*The addressable RGB LED header supports WS2812B addressable RGB LED strip (5V/Data/GND), with a maximum power rating of 3A (5V), a max of 80 LEDs and length within 2 meters.

*The RGB LED header supports standard 5050 RGB LED strip (12V/G/R/B), with a maximum power rating of 3A (12V) and length within 2 meters.

DIY Friendly

Reinforced Steel Slot

[PCIe 5.0 Version]

The reinforced steel slot is capable of supporting PCI Express 5.0 standard. The various benefits include:

Extra anchor points

Stronger latch

Ensure signal stability

Make sure heavy graphics cards to be well-installed.

EZ Setting

No need to worry about lack of disk drive! Asrock preinstall LAN driver to ensure that you are able to install all drivers needed in an easier way than using SCD.

step1 : Install Auto Driver Installer

The product information provided is for reference purposes only. Technical specifications, photos, descriptions and prices may change without prior notice. The manufacturer and seller are not responsible for possible data discrepancies or typographical errors. We recommend checking the current information before purchasing.

itworkup.co.za | sales@itworkup.co.za | +27 (11)541-9950

step2 : Update drivers needed

step3 : Done!

Get the most convenient BIOS flashing with just a simple click. Users can easily achieve the latest BIOS support with a USB and power supply, No CPU, RAM or other components required.

Unlike most so called pre-mounted I/O shield that is only decorated with fancy color schemes. We reserve more tolerance space and allow IO shield is adjustable when installing, thus fitting chassis perfectly without any mechanical issue.

BUILD FOR THE MOST ADVANCED PC FOR GAMING AND CREATING

When only the fastest will do, an AMD X800-series motherboard delivers. With USB 4.0 onboard along with robust overclocking¹ capabilities, featuring faster dual-channel DDR5 memory support, AMD EXPO™ technology and PCIe® 5.0 support for both graphics and NVMe, you can play the most demanding games and deliver your biggest projects with the revolutionary performance of an AMD X800-series motherboard and AMD Ryzen™ 9000, 8000, and 7000 Series processors.

1. Overclocking and/or undervolting AMD processors and memory, including without limitation, altering clock frequencies / multipliers or memory timing / voltage, to operate outside of AMD's published specifications will void any applicable AMD product warranty, even when enabled via AMD hardware and/or software. This may also void warranties offered by the system manufacturer or retailer. Users assume all risks and liabilities that may arise out of overclocking and/or undervolting AMD processors, including, without limitation, failure of or damage to hardware, reduced system performance and/or data loss, corruption or vulnerability. GD-106.

© 2024 Advanced Micro Devices, Inc. All rights reserved. AMD, the AMD Arrow logo, Radeon, Ryzen and combinations thereof are trademarks of Advanced Micro Devices, Inc. Other product names used in this publication are for identification purposes only and may be trademarks of their respective owners.

Summary: Asrock X870 Pro RS WiFi. Processor manufacturer: AMD, Processor socket: Socket AM5, Compatible processor series: AMD Ryzen 7000 Series, AMD Ryzen 8000 Series, AMD Ryzen 9000 Series. Supported memory types: DDR5-SDRAM, Maximum internal memory: 256 GB, Memory slots type: DIMM. Supported storage drive interfaces: M.2, SATA III, Supported storage drive types: HDD & SSD, RAID levels: 0, 1. Parallel processing technology support: CrossFire. Ethernet interface type: 2.5 Gigabit Ethernet, LAN controller: Dragon RTL8125BG, Top Wi-Fi standard: Wi-Fi 7 (802.11be) |

The product information provided is for reference purposes only. Technical specifications, photos, descriptions and prices may change without prior notice. The manufacturer and seller are not responsible for possible data discrepancies or typographical errors. We recommend checking the current information before purchasing.

itworkup.co.za | sales@itworkup.co.za | +27 (11)541-9950

Vendor Homepage: <https://asrock.com/MB/AMD/X870%20Pro%20RS%20WiFi/index.asp#Overview> | Motherboard chipset: AMD X870 | Audio chip: Realtek ALC1220 | Product colour: White | Component for: PC | Motherboard form factor: ATX | Audio output channels: 7.1 | Cooling type: Passive | Motherboard chipset family: AMD | Power source type: ATX | Certification: FCC, CE ErP/EuP ready (ErP/EuP ready power supply is required) | Processor manufacturer: AMD | Processor socket: Socket AM5 | Compatible processor series: AMD Ryzen 7000 Series/AMD Ryzen 8000 Series/AMD Ryzen 9000 Series | Supported memory types: DDR5-SDRAM | Number of memory slots: 4 | Memory slots type: DIMM | Memory channels: Dual-channel | ECC compatibility: ECC & Non-ECC | Supported memory clock speed (max): 8000 | Maximum internal memory: 256 | Unbuffered memory: Yes | Supported storage drive types: HDD & SSD | Supported storage drive interfaces: M.2,SATA III | Number of HDDs supported: 4 | Number of storage drives supported: 7 | RAID support: Yes | RAID levels: 0/1 | Parallel processing technology support: CrossFire | USB 2.0 connectors: 2 | USB 3.2 Gen 1 (3.1 Gen 1) connectors: 1 | USB 3.2 Gen 2x2 connectors: 1 | Number of SATA III connectors: 4 | Front panel audio connector: Yes | ATX Power connector (24-pin): Yes | CPU fan connector: Yes | Number of CPU fan connectors: 2 | Number of chassis fan connectors: 4 | EPS power connector (8-pin): Yes | 12V power connector: Yes | Number of water pump connectors: 1 | RGB LED pin header: Yes | Number of RGB LED pin headers: 3 | USB 2.0 ports quantity: 6 | USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity: 4 | USB4 Gen 2x2 ports quantity: 2 | Ethernet LAN (RJ-45) ports: 1 | HDMI ports quantity: 1 | HDMI version: 2.1 | Microphone in: Yes | S/PDIF out port: Yes | WiFi-AP antenna jack: 2 | Ethernet LAN: Yes | Ethernet interface type: 2.5 Gigabit Ethernet | LAN controller: Dragon RTL8125BG | Wi-Fi: Yes | Top Wi-Fi standard: Wi-Fi 7 (802.11be) | Wi-Fi standards: 802.11a/802.11b/802.11g/Wi-Fi 4 (802.11n)/Wi-Fi 5 (802.11ac)/Wi-Fi 6 (802.11ax)/Wi-Fi 6E (802.11ax)/Wi-Fi 7 (802.11be) | Bluetooth: Yes | Bluetooth version: 5.4 | PCI Express x16 (Gen 4.x) slots: 1 | PCI Express x16 (Gen 5.x) slots: 1 | Number of M.2 (M) slots: 3 | 1st M.2 largest key size: 2280 | 1st M.2 highest PCI Express generation: 5.0 | 2nd M.2 largest key size: 2280 | 2nd M.2 highest PCI Express generation: 4.0 | 3rd M.2 largest key size: 2280 | 3rd M.2 highest PCI Express generation: 3.0 | BIOS type: UEFI AMI | BIOS memory size: 256 | Width: 305 | Depth: 244 | Antenna included: Yes | Cables included: SATA | Back-to-BIOS button: Yes | Number of M.2 (E) slots: 1 | Unit Calculated Weight: 2.25 | Product Net Weight: 1 | Unit Calculated Volume: 0.009052 | Units per Shipping Box: 5 | Shipping Box Height: 31 | Name: MB AMD X870 SAM5 ATX/X870 PRO RS WIFI ASROCK | Model: X870 PRO RS WIFI

The product information provided is for reference purposes only. Technical specifications, photos, descriptions and prices may change without prior notice. The manufacturer and seller are not responsible for possible data discrepancies or typographical errors. We recommend checking the current information before purchasing.

itworkup.co.za | sales@itworkup.co.za | +27 (11)541-9950