



**Mainboard ASUS  
Intel Z890  
LGA1851 ATX  
Memory DDR5  
Memory slots 4  
1xPCI-Express  
4.0 16x 1xPCI-  
Express 5.0 16x  
5xM.2 1xHDMI  
1xDisplayPort  
1xAudio-In  
1xAudio-Out  
2xUSB 3.0  
5xUSB 3.1  
1xUSB-C 2xUSB-  
C w/Thunderbolt  
1xOptical S/PDIF  
1xRJ45  
ROGSTRIXZ890-  
AGAMWIFI**

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Modelis: ROG STRIX Z890-A GAMING WIFI

Gamintojas: ASUS

EAN: 4711387758830

Prekės kodas: 75214

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# 370.99€

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With Thunderbolt™ 4, PCIe® 5.0, and Polymo lighting, the ROG Strix Z890-A delivers lightning-fast data transfers, exceptional connectivity and a customizable aesthetic that can be subtle or bold. This motherboard delivers the power and speed essential for elite gaming and the demands of advanced AI PC applications.

ASUS AI INTELLIGENCE

## ASUS AI ADVISOR

Using AI technology to understand natural-language questions or scenario descriptions, ASUS AI Advisor allows users to explore the functionality and advanced features of ASUS motherboards in a simple and straightforward way.

\* Availability of ASUS AI Advisor may vary by region.

## AI OVERCLOCKING

ASUS AI Overclocking profiles the CPU and cooling to predict the optimal configuration and push the system to its limits.

## AI COOLING II

Balance the thermals and acoustics of any build with a single click.

## AI NETWORKING II

AI Networking II combines intelligent technologies to continuously optimize network performance,

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provide trustworthy and seamless connectivity, and unleash the full speed of WiFi 7\*.

\*Features may vary by model.

Performance

## **OVERCLOCKING**

### **NPU BOOST**

The integrated NPU in Intel® Core™ Ultra Processors (Series 2) efficiently accelerates AI workflows — and NPU Boost lets you do more with it. This BIOS feature overlocks the NPU with just one click, increasing performance by up to 24%.

\* The overclocking performance may vary depending on the CPU series and motherboard used.

\*\* Testing was conducted with an Intel Arrow Lake QS Q2HA Ultra 9 285K processor, ROG Maximus Z890 Extreme motherboard, GeForce RTX™ 4090 24GB graphics card, and XPG Lancer DDR5 memory modules (model AX5U6000C4016G).

Performance

## **MEMORY**

### **DDR5 DOMINATION**

Enhanced signal routing can push enthusiast-grade kits well beyond the 8 GT/s threshold on the Strix Z890-A.

### **DIMM FIT**

DIMM Fit is an ASUS-exclusive BIOS feature that precisely analyzes individual memory modules to optimize performance and pinpoint potential issues.

### **AEMP III**

ASUS Enhanced Memory Profile III (AEMP III) is an advanced firmware feature that empowers users to achieve unparalleled memory performance with cutting-edge CUDIMM memory.

### **DIMM FLEX**

DIMM Flex provides enthusiasts with a powerful new way to overclock their DDR5 memory modules.

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Power solution

## **ROG STRIX ULTIMATE POWER DESIGN**

16(90A)+1(90A)+2(90A)+2(80A)

Power Stages

Performance

## **COOLING**

### **M.2 BACKPLATE**

An integrated backplate helps ensure that high-performance drives can deliver peak performance, even when airflow is restricted.

### **M.2 HEATSINKS**

Heatsinks cover every slot to help keep onboard NVME SSDs at optimal temperatures for consistent performance and reliability.

### **VRM HEATSINK ARRAY**

Two thick heatsinks covering the power delivery section provide strategic airflow channels for increased heat dissipation while empowering high-performance Intel® Core™ Ultra Processors (Series 2)

### **CPU FAN HEADERS**

A dedicated pair of PWM/DC fan headers provides easy access to CPU coolers.

### **AIO PUMP FAN HEADER**

A dedicated PWM/DC header connects self-contained water-cooling setups.

### **4-PIN FAN HEADERS**

The Strix Z890-A features five chassis fan headers, each supporting auto-detection of PWM or DC fans.

Leading Connectivity

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## **WIFI 7**

The revolutionary WiFi 7 is up to 4.8X times faster than standard WiFi 6\*, thanks to tech like 320 MHz channels\*\* on the 6GHz band and 4K QAM\*. Multi-Link Operation (MLO) provides a more stable WiFi connection and lower latency, unlocking the realms of the unknown in gaming, streaming and industrial IoT.

\* WiFi 7 features require onboard WiFi chipset, WiFi AP, and WiFi 7-supported operating systems to support the corresponding features. 320 MHz channels in the 6 GHz band may be unavailable in some regions/countries due to regulatory restrictions.

\*\* Specifications vary by model.

## **ASUS WiFi Q-Antenna**

Dual transceivers support the 2.4, 5 and 6 GHz bands to enable faster throughput, with directional sensitivity to improve signal quality and cover greater distances.

Disclaimer: The availability of WiFi 7 160 GHz and 320 GHz varies according to regional regulations.

## **Wireless Signal Reception Improvement**

Versus previous-generation antenna

## **Intel 2.5Gb Ethernet**

Onboard Intel® 2.5Gb Ethernet gives your wired connection a boost, with speeds that are 2.5 times faster than standard Ethernet connections for speedy file transfers, low-latency gaming, and high-res video streaming.

## **PCIe 5.0**

The Strix Z890-A offers end-to-end PCIe 5.0 support, and the topmost x16 expansion slot is protected with a SafeSlot retention bracket to bear the weight of the latest graphics cards. One onboard M.2 slot is rated for blistering read and write speeds up to 16 GB/s, while the remainder can deliver still-impressive 8 GB/s transfers. And every M.2 slot is covered with substantial heatsinks to dispatch the heat of next-gen drives.

## **TWO THUNDERBOLT 4 TYPE-C® PORTS**

Each port delivers up to 40 Gbps of bidirectional bandwidth for the latest super-speed devices and drives. Both ports can be employed for up to two external 4K displays, and PCIe bandwidth extends

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to up to 32 Gbps.

## **USB WATTAGE WATCHER**

USB Wattage Watcher allows users to monitor the current wattage delivered to a device connected to the USB 10Gbps Type-C® rear I/O port. With USB Wattage Watcher, users can glance at their device's charging wattage in real-time and check on their device's Fast-Charging status.

## **DOLBY ATMOS**

ROG and Dolby® have partnered to bring superior gaming audio quality to users. Dolby Atmos expands on traditional surround sound systems by adding height channels, which enables immersive three-dimensional audio to be perceived from above, below and around the listener.

## **SupremeFX**

ROG SupremeFX is a unique blend of hardware and software technologies that provide superior audio. The Strix Z890-A implementation features the ALC4080 codec for high-resolution playback up to 32-bit/384 kHz across all channels. Front-panel output is streamed through the integrated Savitech amplifier that can drive high-fidelity acoustics to a wide variety of speakers and headsets.

A specially designed circuit separation reduces electromagnetic interference from the motherboard and attached devices for cleaner audio.

The integrated Hi-Fi Savitech amplifier holds up its end of the signal path with imperceptible levels of distortion at -90dB THD+N and a signal-to-noise ratio of 110dB for extremely clean output.

Instead of the conventional high definition audio (HDA) interface, the ALC4080 codec uses a USB interface to deliver studio-level sound reaching up to 32-bit 384 kHz audio resolution.

A metal cover protects against electromagnetic interference, preserving the integrity of audio signals to ensure the best sound quality.

High-quality components produce a warmer, more natural sound with exceptional clarity and fidelity.

## **UNDENIABLY ROG STRIX**

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The ROG Strix Z890-A features a sleek white surface for a contemporary and stylish appearance that fits effortlessly into most system builds. Metallic heatsinks complement the clean design, while subtle Polymo lighting on the I/O shroud lets you choose between a refined, minimalist look or a vibrant, eye-catching display.

## OUTSHINE THE COMPETITION

ROG Strix motherboards feature ASUS Aura technology, enabling full lighting control and a variety of presets for both onboard RGB LEDs and third-party accessories. Effects can be easily synced across compatible ROG graphics cards, monitors, keyboards, and mice to give your setup a unified look.

## Dare to Be Green

We at the Republic of Gamers are on a mission to create a sustainable future where all gamers can flourish on the planet we call home.

Every step counts, and as part of ROG's commitment to creating a more sustainable future, ROG has begun to utilize post-consumer recycled (PCR) plastic and paper materials certified by the Forest Stewardship Council (FSC™) in the packaging of motherboard.

Summary: ASUS ROG STRIX Z890-A GAMING WIFI. Processor manufacturer: Intel, Processor socket: LGA 1851 (Socket V1), Compatible processor series: Intel Core Ultra (Series 2). Supported memory types: DDR5-SDRAM, Maximum internal memory: 192 GB, Memory slots type: DIMM. Supported storage drive interfaces: M.2, SATA III, Supported storage drive types: HDD & SSD, RAID levels: 0, 1, 5, 10. Ethernet interface type: 2.5 Gigabit Ethernet, 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.... Component for: PC, Motherboard form factor: ATX, Motherboard chipset family: Intel | Vendor Homepage: <https://rog.asus.com/motherboards/rog-strix/rog-strix-z890-a-gaming-wifi/> | Audio chip: Realtek ALC4080 | Audio output channels: 7.1 | Component for: PC | Cooling type: Passive | Motherboard chipset: Intel Z890 | Motherboard chipset family: Intel | Motherboard form factor: ATX | Power source type: ATX | Product colour: White | Windows operating systems supported: Windows 11 | Compatible processor series: Intel Core Ultra (Series 2) | Processor manufacturer: Intel | Processor socket: LGA 1851 (Socket V1) | ECC compatibility: Non-ECC | Maximum internal memory: 192 | Memory channels: Dual-channel | Memory slots type: DIMM | Number of memory slots: 4 | Supported memory clock speed (max): 8600 | Supported memory types: DDR5-SDRAM | Unbuffered memory: Yes | Number of HDDs supported: 4 | Number of storage drives supported: 9 | RAID levels: 0/1/10/5 |

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RAID support: Yes | Supported storage drive interfaces: M.2,SATA III | Supported storage drive types: HDD & SSD | On-board graphics card: No | Parallel processing technology support: Not supported | 12V power connector: Yes | ATX Power connector (24-pin): Yes | Chassis intrusion connector: Yes | CPU fan connector: Yes | EPS power connector (8-pin): Yes | Front panel audio connector: Yes | Number of chassis fan connectors: 5 | Number of SATA III connectors: 4 | RGB LED pin header: Yes | Thunderbolt headers: 1 | USB 2.0 connectors: 2 | USB 3.2 Gen 1 (3.1 Gen 1) connectors: 2 | USB 3.2 Gen 2 (3.1 Gen 2) connectors: 1 | DisplayPort version: 1.4 | DisplayPorts quantity: 1 | Ethernet LAN (RJ-45) ports: 1 | HDMI ports quantity: 1 | HDMI version: 2.1 | Headphone outputs: 1 | Line-in: Yes | S/PDIF out port: Yes | Thunderbolt ports quantity: 2 | USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity: 2 | USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity: 5 | USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity: 1 | WiFi-AP antenna jack: 2 | Bluetooth: Yes | Bluetooth version: 5.4 | Ethernet interface type: 2.5 Gigabit Ethernet | Ethernet LAN: Yes | Top Wi-Fi standard: Wi-Fi 7 (802.11be) | Wi-Fi: Yes | 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) | Number of M.2 (M) slots: 5 | PCI Express x16 (Gen 4.x) slots: 1 | PCI Express x16 (Gen 5.x) slots: 1 | BIOS memory size: 256 | BIOS type: UEFI AMI | Clear CMOS button: Yes | Package depth: 273 | Package height: 68 | Package weight: 1980 | Package width: 353 | Depth: 244 | Width: 305 | Cables included: SATA | Back-to-BIOS button: Yes | Quick installation guide: Yes | Model: ROG STRIX Z890-A GAMING WIFI | Units per Shipping Box: 4 | Unit Calculated Volume: 0.008325 | Unit Calculated Weight: 2.63

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