MOTHERBOARDS

# PRO Z890-S WIFI6E

BUSINESS ELEGANCE




## SPECIFICATIONS

| | |
|---|---|
| **Model Name** | PRO Z890-S WIFI6E |
| **CPU Support** | Support Intel® Core™ Ultra Processors (Series 2) |
| **CPU Socket** | LGA 1851 |
| **Chipset** | Intel® Z890 Chipset |
| **Expansion Slots** | 1x PCIe 5.0 x16 slot<br>2x PCIe 4.0 x4 slots<br>1x PCIe 3.0 x1 slot |
| **Display Interface** | Support 4K@60Hz as specified in HDMI™ 2.1,<br>DisplayPort 1.4 – Requires Processor Graphics |
| **Memory Support** | 4 DIMMs, Dual Channel DDR5 - 8800+ MT/s (OC) |
| **Storage** | 1x M.2 Gen5 x4 128Gbps slot,<br>2x M.2 Gen4 x4 64Gbps slots,<br>4x SATA 6Gbps ports |
| **USB ports** | 2 x USB 20Gbps (2 Type-C),<br>8 x USB 5Gbps (8 Type-A),<br>4 x USB 2.0 |
| **LAN** | Realtek® RTL8125D 2.5G LAN |
| **WiFi / BT** | Wi-Fi 6E module, Bluetooth 5.3 |
| **Audio** | 8-Channel (7.1) HD Audio with Audio Boost |

## FEATURES

**Lightning USB 20G**

Built-in USB 3.2 Gen 2x2 port, offers 20Gbps transmission speed, 4X faster than USB 3.2 Gen 1.

**Latest DDR5 Memory**

A huge step of DDR performance enhancement with the latest DDR5 memory and MSI Memory Boost technology.

**Lightning Gen 5**

The latest PCIe 5.0 solution with up to 128GB/s bandwidth for maximum transfer speed.

**Wi-Fi 6E**

The latest wireless solution supports 6GHz spectrum, MU-MIMO and BSS color technology, delivering speeds up to 2400Mbps.

**2.5G Network Solution**

Featuring premium 2.5G LAN to deliver better network experience.

**Extended Heatsink Design**

MSI extended PWM heatsink and enhanced circuit design ensures even high-end processors to run in full speed.

**M.2 Shield FROZR**

Strengthened built-in M.2 thermal solution. Keeps M.2 SSDs safe while preventing throttling, making them run faster.

**EZ Antenna**

EZ Antenna makes the process effortless by simply attaching fasteners to the motherboard without rotation.

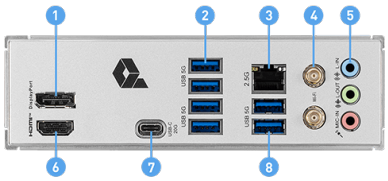
**Pre-installed I/O Shielding**

Better EMI protection and more convenience for installation

**Frozr AI Cooling**

Detect CPU & GPU temperatures and automatically adjust system fan duty to a proper value.

## CONNECTIONS




1. DisplayPort
2. USB 5Gbps Type-A
3. 2.5G LAN
4. Wi-Fi / Bluetooth
5. Audio Connectors
6. HDMI™
7. USB 20Gbps Type-C
8. USB 5Gbps Type-A

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