



## SPECIFICATIONS

<b>Model Name</b>	PRO Z890-S WIFI
<b>CPU Support</b>	Support Intel® Core™ Ultra Processors (Series 2)
<b>CPU Socket</b>	LGA 1851
<b>Chipset</b>	Intel® Z890 Chipset
<b>Expansion Slots</b>	1x PCIe 5.0 x16 slot 2x PCIe 4.0 x16 slots 1x PCIe 3.0 x1 slot
<b>Display Interface</b>	1 x Thunderbolt™ 4 (Type-C), Support 4K@60Hz as specified in HDMI™ 2.1, DisplayPort 1.4 – Requires Processor Graphics
<b>Memory Support</b>	4 DIMMs, Dual Channel DDR5 - 8600+ MT/s (OC)
<b>Storage</b>	1x M.2 Gen5 x4 128Gbps slot, 2x M.2 Gen4 x4 64Gbps slots, 4x SATA 6Gbps ports
<b>Thunderbolt™ 4</b>	1 x USB Type-C up to 40Gbps, Charging support up to 5V/3A , 15W
<b>USB ports</b>	2 x USB 20Gbps (2 Type-C), 8 x USB 5Gbps (8 Type-A), 4 x USB 2.0
<b>LAN</b>	Realtek® RTL8125D 2.5G LAN
<b>WiFi / BT</b>	Intel® Wi-Fi 7, Bluetooth 5.4
<b>Audio</b>	8-Channel (7.1) HD Audio with Audio Boost

## FEATURES



### Wi-Fi 7

The latest wireless solution with a new 320MHz channel, achieving a maximum transmission speed of 5.8Gbps, which is 2.4 times faster than Wi-Fi 6/6E.



### Thunderbolt™ port

Thunderbolt™ 4 brings Thunderbolt to USB-C at true 40 Gb/s speeds, 8K display support, Daisy-Chain, Multi-Port Accessory Architecture and USB 4.0 compliant.



### 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.



### 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.



### Pre-installed I/O Shielding

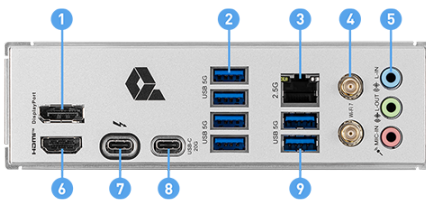
Better EMI protection and more convenience for installation



### Froze 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 / Antenna   |
| 5. Audio Connectors               | 6. HDMI™             |
| 7. Thunderbolt™ 4 40Gbps (Type-C) | 8. USB 20Gbps Type-C |
| 9. USB 5Gbps Type-A               |                      |