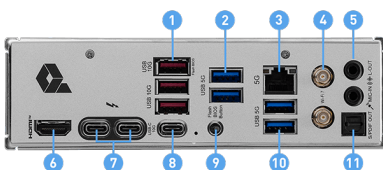




## SPECIFICATIONS

|                          |                                                                                                               |
|--------------------------|---------------------------------------------------------------------------------------------------------------|
| <b>Model Name</b>        | PRO Z890-A 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<br>2x PCIe 4.0 x16 slots                                                                 |
| <b>Display Interface</b> | 2x Thunderbolt™ 4 (Type-C),<br>Support 8K@60Hz as specified in HDMI™ 2.1 FRL<br>- Requires Processor Graphics |
| <b>Memory Support</b>    | 4 DIMMs, Dual Channel DDR5 - 9200+ MT/s (OC)                                                                  |
| <b>Storage</b>           | 1x M.2 Gen5 x4 128Gbps slot,<br>3x M.2 Gen4 x4 64Gbps slots,<br>4x SATA 6Gbps ports                           |
| <b>Thunderbolt™ 4</b>    | 2 x USB Type-C up to 40Gbps,<br>Charging support up to 5V/3A, 15W                                             |
| <b>USB ports</b>         | 1x USB 20Gbps (1 Type-C),<br>4x USB 10Gbps (3 Type-A + 1 Type-C),<br>6x USB 5Gbps (6 Type-A),<br>4x USB 2.0   |
| <b>LAN</b>               | Realtek® 8126 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 4                                                                   |

## CONNECTIONS



1. USB 10Gbps Type-A
2. USB 5Gbps Type-A
3. 5G LAN
4. Wi-Fi / Bluetooth
5. Audio Connectors
6. HDMI™
7. Thunderbolt™ 4 40Gbps (Type-C)
8. USB 10Gbps Type-C
9. Flash BIOS Button
10. USB 5Gbps Type-A
11. S/PDIF-OUT

## 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.



### 5G Network Solution

Featuring premium 5G LAN to deliver better network experience.



### Dual Thunderbolt™ 4 ports

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.



### 5G Network Solution

Featuring premium 5G LAN to deliver better network experience.



### EZ M.2 Shield Frozr II

The new tool-less design makes installing or removing your M.2 SSD and Shield Frozr much easier



### EZ PCIe Release

A simple press of a button to effortlessly lock or unlock the PCIe slot, simplifying the installation and removal of the graphics card.



### 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.



### Extended Heatsink Design

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



### 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.