













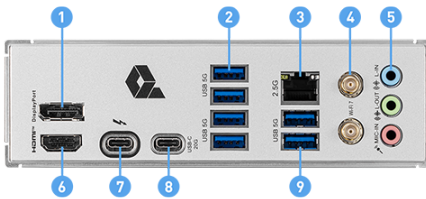
SPECIFICATIONS

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

FEATURES

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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