







SPECIFICATIONS

Model Name	PRO Z890-P WIFI
CPU Support	Support Intel® Core™ Ultra Processors (Series 2)
CPU Socket	LGA 1851
Chipset	Intel® Z890 Chipset
Expansion Slots	1x PCle 5.0 x16 slot
	2x PCle 4.0 x16 slots
	1x PCle 4.0 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
Storage	1x M.2 Gen5 x4 128Gbps slot,
	3x 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	1x USB 20Gbps (1 Type-C),
	2x USB 10Gbps (1 Type-A + 1 Type-C),
	6x USB 5Gbps (6 Type-A)
	8x USB 2.0
LAN	Realtek® 8126 5G LAN
WiFi / BT	Intel [®] Wi-Fi 7, Bluetooth 5.4
Audio	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.



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 Clip II

Allows for easy removal of the graphics card by pressing the taillike lock with one finger, even in the cramped case spaces.



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 Al Cooling

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

CONNECTIONS



- 1. DisplayPort
- 3. USB 2.0
- 5. Wi-Fi / Bluetooth
- 7. Flash BIOS Button
- 9. HDMI™
- 11. USB 5Gbps Type-A
- 13. USB 10Gbps Type-A

- 2. Mouse / Keyboard
- 4. 5G LAN
- 6. Audio Connectors
- 8. Thunderbolt™ 4 40Gbps (Type-C)
- 10. USB 2.0
- 12. USB 10Gbps Type-C