












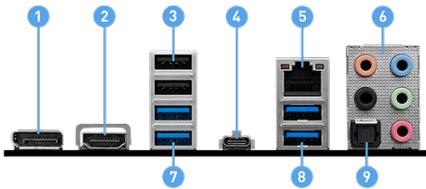
SPECIFICATIONS

| | |
|--------------------------|---|
| Model Name | PRO Z790-S WIFI |
| CPU Support | Supports Intel® Core™ 14th, 13th and 12th Gen Processors, Intel® Pentium® Gold, Celeron® Processor and Intel Processor 300(T) |
| CPU Socket | LGA 1700 |
| Chipset | Intel® Z790 Chipset |
| Expansion Slots | 1x PCIe 5.0 x16 slot 1x PCIe 3.0 x16 slot 3x PCIe 3.0 x1 slots |
| Display Interface | Support 4K@30Hz as specified in HDMI™ 1.4, DisplayPort 1.4 – Requires Processor Graphics |
| Memory Support | 4 DIMMs, Dual Channel DDR5-6600+MHz(OC) |
| Storage | 2x M.2 Gen4 x4 64Gbps slots, 4x SATA 6Gbps ports |
| USB ports | 1x USB 3.2 Gen 2x2 20G (1 Type-C), 8x USB 3.2 Gen 1 5Gbps (8 Type-A), 6x USB 2.0 |
| LAN | Realtek® RTL8125BG 2.5G LAN |
| WiFi / BT | Intel® Wi-Fi 6E, Bluetooth 5.3 |
| Audio | 8-Channel (7.1) HD Audio with Audio Boost |

FEATURES

- 
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.
- 
Lightning USB 20G
 Built-in USB 3.2 Gen 2x2 port, offers 20Gbps transmission speed, 4X faster than USB 3.2 Gen 1.
- 
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.
- 
2.5G Network Solution
 Featuring premium 2.5G LAN to deliver better network experience.
- 
Frozr AI Cooling
 Detect CPU & GPU temperatures and automatically adjust system fan duty to a proper value.
- 
Memory Boost
 Advanced technology to deliver pure data signals for the best performance, stability and compatibility.
- 
Core Boost
 With premium layout and fully digital power design to support more cores and provide better performance.

CONNECTIONS



1. DisplayPort
2. HDMI™
3. USB 2.0
4. USB 3.2 Gen 2x2 20Gbps Type-C
5. 2.5G LAN
6. Audio Connectors
7. USB 3.2 Gen 1 5Gbps Type-A
8. USB 3.2 Gen 1 5Gbps Type-A
9. S/PDIF-OUT