



SPECIFICATIONS

Model Name	PRO Z790-P WIFI
CPU Support	Supports 12 th / 13 th Gen Intel® Core™ Processors, Pentium® Gold and Celeron® Processors
CPU Socket	LGA 1700
Chipset	Intel® Z790 Chipset
Expansion Slots	1x PCIe 5.0 x16 slot 1x PCIe 4.0 x16 slot 2x PCIe 3.0 x1 slots
Display Interface	Support 4K@60Hz as specified in HDMI™ 2.1, DisplayPort 1.4 - Requires Processor Graphics
Memory Support	4 DIMMs, Dual Channel DDR5 7000+MHz (OC)
Storage	4x M.2 Gen4 x4 64Gbps slots, 6x SATA 6Gbps ports
USB ports	1x USB 3.2 Gen 2x2 20G (1 Type-C), 2x USB 3.2 Gen 2 10Gbps (1 Type-A + 1 Type-C), 6x USB 3.2 Gen 1 5Gbps (6 Type-A), 8x USB 2.0
LAN	Intel® 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.
- Latest DDR5 Memory**
 A huge step of DDR performance enhancement with the latest DDR5 memory and MSI Memory Boost technology.
- 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.
- EZ Debug LED**
 Easiest way to troubleshoot.
- Frozr AI Cooling**
 Detect CPU & GPU temperatures and automatically adjust system fan duty to a proper value.
- Core Boost**
 With premium layout and fully digital power design to support more cores and provide better performance.

CONNECTIONS



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|-----------------------------------|---------------------------------|
| 1. Keyboard / Mouse | 2. DisplayPort |
| 3. USB 2.0 | 4. 2.5G LAN |
| 5. Wi-Fi / Bluetooth | 6. Audio Connectors |
| 7. Flash BIOS Button | 8. USB 2.0 |
| 9. HDMI™ | 10. USB 3.2 Gen 1 5Gbps Type-A |
| 11. USB 3.2 Gen 2x2 20Gbps Type-C | 12. USB 3.2 Gen 2 10Gbps Type-A |