



SPECIFICATIONS

Model Name	PRO Z790-A WIFI II
CPU Support	Support Intel® Core™ 14th/ 13th/ 12th Gen Processors, Intel® Pentium® Gold and Celeron® Processors
CPU Socket	LGA 1700
Chipset	Intel® Z790 Chipset
Expansion Slots	1 x PCIe 5.0 x16 slot 1 x PCIe 4.0 x4 slot 2 x 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 - 7800+ MT/s (OC)
Storage	4 x M.2 Gen4 x4 64Gbps slots 6 x SATA 6Gbps ports
USB ports	1 x USB 20Gbps (1 Type-C) 4 x USB 10Gbps (3 Type-A + 1 Type-C) 4 x USB 5Gbps (4 Type-A) 6 x USB 2.0
LAN	Intel® 2.5G LAN
WiFi / BT	Wi-Fi 6E, Bluetooth 5.3
Audio	8-Channel (7.1) HD Audio with Audio Boost 5

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.



EZ Antenna

EZ Antenna makes the process effortless by simply attaching fasteners to the motherboard without rotation.



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.



Pre-installed I/O Shielding

Better EMI protection and more convenience for installation



Frozr AI Cooling

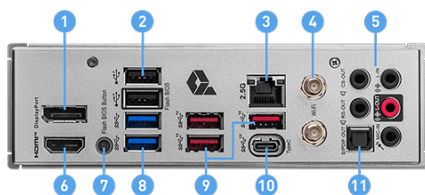
Detect CPU & GPU temperatures and automatically adjust system fan duty to a proper value.



Core Boost

With premium layout and fully digital power design to support more cores and provide better performance.

CONNECTIONS



1. DisplayPort
2. USB 2.0
3. 2.5G LAN
4. Wi-Fi / Bluetooth
5. Audio Connectors
6. HDMI™
7. Flash BIOS Button
8. USB 5Gbps Type-A
9. USB 10Gbps Type-A
10. USB 20Gbps Type-C
11. S/PDIF-OUT