



SPECIFICATIONS

Model Name	PRO Z790-A MAX WIFI
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	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 DDR5-7800+MHz (OC)
Storage	4x M.2 Gen4 x4 64Gbps slots, 6x SATA 6Gbps ports
USB ports	1x USB 3.2 Gen 2x2 20Gbps (1 Type-C), 4x USB 3.2 Gen 2 10Gbps (3 Type-A + 1 Type-C), 4x USB 3.2 Gen 1 5Gbps (4 Type-A), 6x USB 2.0
LAN	Intel® 2.5G LAN
WiFi / BT	Wi-Fi 7 Solution, Bluetooth 5.4
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.
- 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.
- 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

- DisplayPort
- USB 2.0
- 2.5G LAN
- Wi-Fi / Bluetooth
- Audio Connectors
- HDMI™
- Flash BIOS Button
- USB 3.2 Gen 1 5Gbps Type-A
- USB 3.2 Gen 2 10Gbps Type-A
- USB 3.2 Gen 2x2 20Gbps Type-C
- S/PDIF-OUT