



SPECIFICATIONS

| | |
|--------------------------|---|
| Model Name | Z790 GAMING PLUS WIFI7 |
| 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 |
| Storage | 4x M.2 Gen 4 x4 64Gbps slots 6x SATA 6Gbps ports |
| USB ports | 1x USB 3.2 Gen 2x2 20Gbps (Type-C), 2x USB 3.2 Gen 2 10Gbps (Type-C + Type-A), 6x USB 3.2 Gen 1 5Gbps (6 Type-A), 8x USB 2.0 |
| LAN | Intel® 2.5G LAN |
| Wi-Fi / Bluetooth | Wi-Fi 7 Solution, 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.



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.



Quadruple M.2 Connectors

Onboard quadruple M.2 connectors for the maximum storage performance.



M.2 Shield FROZR

M.2 thermal accessory keeps M.2 SSDs safe while preventing throttling, making them run faster.



Core Boost

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



2.5G Network Solution

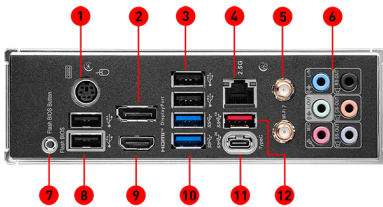
Featuring premium 2.5G LAN to deliver better network experience.



Audio Boost

Reward your ears with studio grade sound quality for the most immersive audio experience.

CONNECTIONS



- | | |
|-------------------------------------|-----------------------------------|
| 1. Keyboard / Mouse | 2. DisplayPort |
| 3. USB 2.0 (Type-A) | 4. 2.5G LAN |
| 5. Wi-Fi / Bluetooth | 6. Audio Connectors |
| 7. Flash BIOS Button | 8. USB 2.0 (Type-A) |
| 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) |