



SPECIFICATIONS

Model Name	Z790M GAMING PLUS 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 3.0 x4 slot
Display Interface	Support 4K@60Hz as specified in HDMI™ 2.1, DisplayPort 1.4 - Requires Processor Graphics
Memory Support	4 DIMMs, Dual Channel DDR5-7800MHz+ (OC)
Storage	3x M.2 Gen 4 x4 64Gbps slots 6x SATA 6Gbps ports
USB Ports	1x USB 20Gbps (1 Type-C), 4x USB 10Gbps (1 Type-C + 3 Type-A), 2x USB 5Gbps (2 Type-A), 8x USB 2.0
LAN	Realtek® RTL8125BG 2.5G LAN
Wireless / 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.

Extended Heatsink Design

MSI extended PWM heatsink and enhanced circuit design ensures even high-end processors to run in full speed.

Latest DDR5 Memory

A huge step of DDR performance enhancement with the latest DDR5 memory and MSI Memory Boost technology.

Lightning USB 20G

Built-in USB 3.2 Gen 2x2 port, offers 20Gbps transmission speed, 4X faster than USB 3.2 Gen 1.

Frozr AI Cooling

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

Wi-Fi 6E

The latest wireless solution supports 6GHz spectrum, MU-MIMO and BSS color technology, delivering speeds up to 2400Mbps.

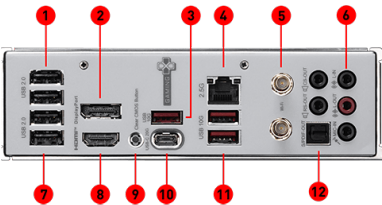
2.5G LAN

Onboard 2.5G LAN with LAN manager, delivering the best online gaming experience.

Audio Boost

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

CONNECTIONS



- | | |
|-------------------------|--------------------------|
| 1. USB 2.0 | 2. DisplayPort |
| 3. USB 10Gbps (Type-A) | 4. 2.5G LAN |
| 5. Wi-Fi / Bluetooth | 6. Audio Connectors |
| 7. USB 2.0 | 8. HDMI™ |
| 9. Flash BIOS Button | 10. USB 20Gbps (Type -C) |
| 11. USB 10Gbps (Type-A) | 12. Optical S/PDIF Out |