MOTHERBOARDS

Z790 GAMING WIFI

WIN THE COMPETITION



SPECIFICATIONS

Model Name	Z790 GAMING WIFI
CPU Support	Supports 12th/ 13th Gen Intel® Core™ Processors, Pentium® Gold and Celeron® Processors
CPU Socket	LGA 1700
Chipset	Intel® Z790 Chipset
Expansion Slots	3x PCIe 4.0 x16 slots, 2x PCIe 3.0 x1 slots
Display Interface	Support 4K@30Hz as specified in HDMI™ 1.4 – Requires Processor Graphics
Memory Support	4 DIMMs, Dual Channel DDR5-7200+MHz (OC)
Storage	3x M.2 Gen 4 x4 64Gbps slots, 4x SATA 6Gbps ports
USB ports	5x USB 3.2 Gen 2 10Gbps (3 Type-A + 2 Type-C), 8x USB 3.2 Gen 1 5Gbps (8 Type-A), 4x USB 2.0
LAN	Realtek® RTL8125BG 2.5Gbps LAN
Wi-Fi / Bluetooth	Intel® Wi-Fi 6E module, Bluetooth 5.3
Audio	8-Channel (7.1) HD Audio with Audio Boost

FEATURES

Latest DDR5 Memory

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

Lightning Gen4 Solution

The latest Gen4 PCI-E and M.2 solution with up to 64GB/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.

Triple M.2 Connectors

Onboard 3x M.2 connectors with PCIe 4.0 solution, strengthened by M.2 Shield Frozr.

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.

Wi-Fi 6E

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

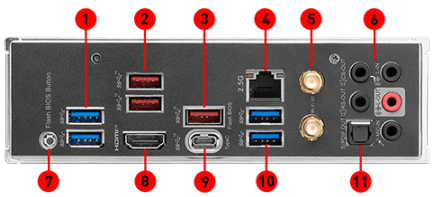
Core Boost

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

Audio Boost

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

CONNECTIONS



1. USB 3.2 Gen 1 5Gbps (Type-A)
2. USB 3.2 Gen 2 10Gbps (Type-A)
3. USB 3.2 Gen 2 10Gbps (Type-A)
4. 2.5G LAN
5. Wi-Fi / Bluetooth
6. HD Audio Connectors
7. Flash BIOS Button
8. HDMI™ 1.4 Port
9. USB 3.2 Gen 2 10Gbps (Type-C)
10. USB 3.2 Gen 1 5Gbps (Type-A)
11. Optical S/PDIF-Out

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