



SPECIFICATIONS

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|-----------------------------|--|
| Model Name | MPG Z790 EDGE WIFI |
| CPU Support | Supports 12th / 13th Gen Intel® Core™ Processors, Pentium® Gold and Celeron® Processors |
| CPU Socket | LGA 1700 |
| Chipset | Intel® Z790 Chipset |
| Graphics Interface | 1x PCIe 5.0 x16 slot, 1x PCIe 4.0 x16 slot, 1x PCIe 3.0 x1 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 7200+MHz (OC) |
| Storage | 5x M.2 PCIe 4.0 x4 slots 7x SATA 6Gbps ports |
| USB ports | 1x USB 3.2 Gen 2x2 20G (1 Type-C) 6x USB 3.2 Gen 2 10Gbps (2 Type-C + 4 Type-A) 6x USB 3.2 Gen 1 5Gbps (6 Type-A) 4x USB 2.0 (4 Type-A) |
| LAN | Intel® 2.5Gbps LAN |
| Wireless / Bluetooth | Intel® Wi-Fi 6E, Bluetooth 5.2 |
| Audio | 8-Channel (7.1) HD Audio with Audio Boost 5 |

FEATURES



Premium Thermal Design

Heavy plated MOSFET heatsink with heat-pipe / high quality 7W/mK MOSFET thermal pads / extra choke thermal pads / onboard M.2 Shield Frozr



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.



Screwless M.2 Shield Frozr

The patent-pending design provides the easiest way of M.2 installation. Install or uninstall your M.2 and Shield Frozr without tools and screws.



Wi-Fi 6E

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



2.5G Network Solution

Featuring premium 2.5G LAN to deliver better network experience.



Lightning USB 20G

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



Audio Boost 5

Isolated audio with a high quality audio processor for the most immersive gaming experience



Core Boost

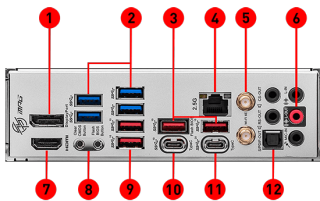
With premium layout and fully digital power design to support more cores and provide better performance.



Memory Boost

Advanced technology to deliver pure data signals for the best performance, stability and compatibility.

CONNECTIONS



- | | |
|-------------------------------------|-----------------------------------|
| 1. Display Port | 2. USB 3.2 Gen 1 5Gbps (Type-A) |
| 3. USB 3.2 Gen 2 10Gbps (Type-A) | 4. 2.5G LAN |
| 5. Wi-Fi / Bluetooth | 6. Audio Connectors |
| 7. HDMI™ | 8. Clear CMOS / Flash BIOS |
| 9. USB 3.2 Gen 2 10Gbps (Type-A) | 10. USB 3.2 Gen 2 10Gbps (Type-C) |
| 11. USB 3.2 Gen 2x2 20Gbps (Type-C) | 12. Optical S/PDIF Out |