



## 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.



### 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.



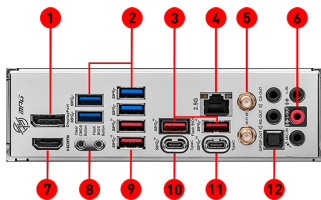
### Memory Boost

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

## SPECIFICATIONS

|                             |                                                                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Model Name</b>           | MPG Z790 EDGE WIFI DDR4                                                                                                                           |
| <b>CPU Support</b>          | Supports 12th / 13th Gen Intel® Core™ Processors, Pentium® Gold and Celeron® Processors                                                           |
| <b>CPU Socket</b>           | LGA 1700                                                                                                                                          |
| <b>Chipset</b>              | Intel® Z790 Chipset                                                                                                                               |
| <b>Graphics Interface</b>   | 1x PCIe 5.0 x16 slot, 1x PCIe 4 x4 slot, 1x PCIe 3x1 slot                                                                                         |
| <b>Display Interface</b>    | Support 4K@60Hz as specified in HDMI™ 2.1, DisplayPort 1.4<br>- Requires Processor Graphics                                                       |
| <b>Memory Support</b>       | 4 DIMMs, Dual Channel DDR4 5333+MHz (OC)                                                                                                          |
| <b>Storage</b>              | 5x M.2 Gen4 x4 64Gbps slots, 7x SATA 6Gb/s ports                                                                                                  |
| <b>USB ports</b>            | 1x USB 3.2 Gen 2x2 20Gbps (1 Type-C)<br>6x USB 3.2 Gen 2 10Gbps (2 Type-C + 4 Type-A)<br>6x USB 3.2 Gen 1 5Gbps (6 Type-A)<br>4x USB 2.0 (Type-A) |
| <b>LAN</b>                  | Intel® 2.5Gbps LAN                                                                                                                                |
| <b>Wireless / Bluetooth</b> | Intel® Wi-Fi 6E, Bluetooth 5.3                                                                                                                    |
| <b>Audio</b>                | 8-Channel (7.1) HD Audio with Audio Boost 5                                                                                                       |

## 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