

## SPECIFICATIONS

|                             |  |
|-----------------------------|--|
| <b>Model Name</b>           | MPG Z790 EDGE TI MAX WIFI  |
| <b>CPU Support</b>          | Support Intel® Core™ 14th/ 13th/ 12th Gen Processors, Intel® 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 4.0 x16 slot, 1x PCIe 3.0 x1 slot  |
| <b>Display Interface</b>    | Support 4K@60Hz as specified in HDMI™ 2.1, DisplayPort 1.4 – Requires Processor Graphics   |
| <b>Memory Support</b>       | 4 DIMMs, Dual Channel DDR5-7800+MHz (OC)   |
| <b>Storage</b>              | 1x M.2 Gen5 x4 128Gbps slot, 4x M.2 Gen4 x4 64Gbps slots<br>8x SATA 6Gbps ports  |
| <b>USB ports</b>            | 1x USB 3.2 Gen 2x2 20G (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 (4 Type-A) |
| <b>LAN</b>                  | Intel® 2.5Gbps LAN   |
| <b>Wireless / Bluetooth</b> | Wi-Fi 7 Solution, Bluetooth 5.4  |
| <b>Audio</b>                | 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 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/E.



### 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

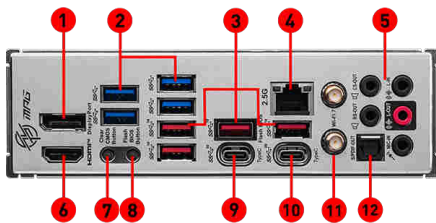
With premium layout and fully digital power design to support more cores and provide better performance.



### Memory Boost

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

## CONNECTIONS



- |                                |                                   |
|--------------------------------|-----------------------------------|
| 1. DisplayPort 1.4             | 2. USB 3.2 Gen 1 5Gbps Type-A     |
| 3. USB 3.2 Gen 2 10Gbps Type-A | 4. 2.5G LAN Port                  |
| 5. HD Audio Connectors         | 6. HDMI™ 2.1 Port                 |
| 7. Clear CMOS Button           | 8. Flash BIOS Button              |
| 9. USB 3.2 Gen 2 10Gbps Type-C | 10. USB 3.2 Gen 2x2 20Gbps Type-C |
| 11. Wi-Fi / Bluetooth Antenna  | 12. Optical S/PDIF OUT            |