



## SPECIFICATIONS

<b>Model Name</b>	MPG Z790 CARBON WIFI
<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>Expansion Slot</b>	1x PCIe 5.0x16 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 - Requires Processor Graphics
<b>Memory Support</b>	4 DIMMs, Dual Channel DDR5 7600+MHz (OC)
<b>Storage</b>	1x M.2 Gen5 x4 128Gbps slot 4x M.2 Gen4 x4 64Gbps slots 6x SATA 6Gb/s ports
<b>USB ports</b>	2x USB 3.2 Gen 2x2 20Gbps (2 Type-C) 7x USB 3.2 Gen 2 10Gbps (1 Type-C + 6 Type-A) 4x USB 3.2 Gen 1 5Gbps (4 Type-A) 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

## 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

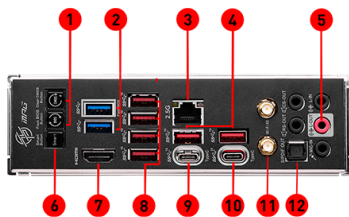
With premium layout and fully digital power design to support more cores and provide better performance.



### Memory Boost

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

## CONNECTIONS



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