



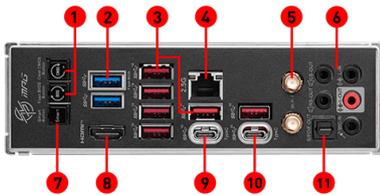
## SPECIFICATIONS

<b>Model Name</b>	MPG Z790 CARBON WIFI II
<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>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 DDR5-7800+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>	Wi-Fi 7 Solution, Bluetooth 5.4
<b>Audio</b>	8-Channel (7.1) HD Audio with Audio Boost 5

## FEATURES

- Lightning Gen 5**  
 The latest PCIe 5.0 solution with up to 128GB/s bandwidth for maximum transfer speed.
- 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
- Memory Boost**  
 Advanced technology to deliver pure data signals for the best performance, stability and compatibility.
- Core Boost**  
 With premium layout and fully digital power design to support more cores and provide better performance.
- 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
- 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.
- Latest DDR5 Memory**  
 A huge step of DDR performance enhancement with the latest DDR5 memory and MSI Memory Boost technology.
- 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 6/6E.

## CONNECTIONS



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