



## SPECIFICATIONS

|                             |   |
|-----------------------------|---|
| <b>Model Name</b>           | MPG Z590 GAMING CARBON WIFI   |
| <b>CPU Support</b>          | Supports 10th Gen Intel® Core™ Processors, 11th Gen Intel® Core™ Processors, Pentium® Gold and Celeron® Processors                    |
| <b>CPU Socket</b>           | LGA 1200  |
| <b>Chipset</b>              | Intel® Z590 Chipset   |
| <b>Graphics Interface</b>   | 2x PCIe 4.0 x16 slots, 1x PCIe 3.0 x16 slot Support 3-way AMD® CrossFire™ Technology  |
| <b>Display Interface</b>    | Support 4K@60Hz as specified in HDMI 2.0b, DisplayPort 1.4 - Requires Processor Graphics  |
| <b>Memory Support</b>       | 4 DIMMs, Dual Channel DDR4-5333 (OC)  |
| <b>Expansion Slots</b>      | 2x PCIe 3.0 x1 slots  |
| <b>Storage</b>              | 1x M.2 Gen4 x4 64Gb/s slot, 2x M.2 Gen3 x4 32Gb/s slots, supports Intel® Optane™ Technology<br>6 x SATA 6Gb/s                         |
| <b>USB ports</b>            | 1x USB 3.2 Gen 2x2 20G (1 Type-C)<br>4x USB 3.2 Gen 2 10Gbps (3 Type-A + 1 Type-C)<br>4x USB 3.2 Gen 1 5Gbps (4 Type-A)<br>8x USB 2.0 |
| <b>LAN</b>                  | Intel® I225-V 2.5G LAN  |
| <b>Wireless / Bluetooth</b> | Intel® Wi-Fi 6E AX210, Bluetooth 5.2  |
| <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 Gen4 Solution

The latest Gen4 PCI-E and M.2 solution with up to 64GB/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 / 2x onboard M.2 Shield Frozr



### Mystic Light RGB LED

Personalize your PC with 16.8 million colors / 29 effects, controlled in one click!



### Core Boost

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



### 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

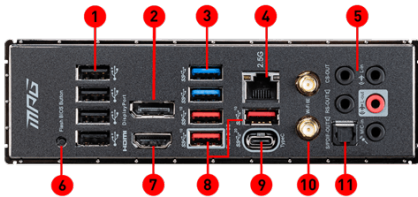
Isolated audio with a high quality audio processor for the most immersive gaming experience



### DDR4 Boost

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

## CONNECTIONS



1. USB 2.0
2. DisplayPort
3. USB 3.2 Gen 1 5Gbps Type-A
4. 2.5G LAN
5. Audio Connectors
6. Flash BIOS Button
7. HDMI
8. USB 3.2 Gen 2 10Gbps Type-A
9. USB 3.2 Gen 2x2 20Gbps Type-C
10. Wi-Fi/Bluetooth
11. Optical S/PDIF Out