



## SPECIFICATIONS

<b>Model Name</b>	MPG Z590 CARBON EK X
<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 6 x SATA 6Gb/s
<b>USB ports</b>	1x USB 3.2 Gen 2x2 20Gbps (1 Type-C) 4x USB 3.2 Gen 2 10Gbps (3 Type-A + 1 Type-C) 4x USB 3.2 Gen 1 5Gbps (4 Type-A) 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



### CPU + VRM Water Cooling

A custom-designed EK monoblock that offers pristine cooling for both the CPU and VRM power delivery section.



### Flow Indicator

Instant loop operation and coolant flow overview.



### Lightning Gen4 Solution

The latest Gen4 PCI-E solution with up to 64GB/s bandwidth for maximum transfer speed.



### Mystic Light RGB LED

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



### 2.5G Network Solution

Featuring premium 2.5G LAN to deliver better network experience.



### Wi-Fi 6E

The latest wireless solution supports 6GHz spectrum, MU-MIMO and BSS color technology, delivering speeds up to 2400Mbps.



### 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

Combining dual 8 pin power connectors and IR digital power design, the GODLIKE is ready for more cores also provide better performance.



### DDR4 Boost

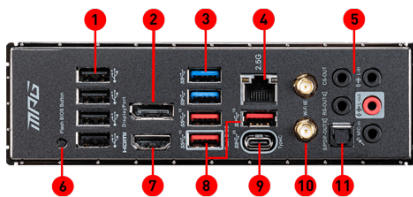
Advanced technology to deliver pure data signals for the best gaming performance and stability.



### 2oz Thickened Copper PCB

An enhanced PCB design improves heat dissipation and performance reliability.

## 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