



## 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



### Latest DDR5 Memory

A huge step of DDR performance enhancement with the latest DDR5 memory and MSI Memory Boost technology.



### Lightning Gen 5

The latest PCIe 5.0 solution with up to 128GB/s bandwidth for maximum transfer speed.



### 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.



### 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.



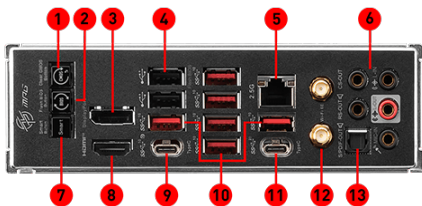
### Audio Boost 5

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

## SPECIFICATIONS

<b>Model Name</b>	MPG X670E CARBON WIFI
<b>CPU Support</b>	Supports AMD Ryzen™ 8000 / 7000 Series Desktop Processors
<b>CPU Socket</b>	Socket AM5
<b>Chipset</b>	AMD X670 Chipset
<b>Expansion slots</b>	2x PCIe 5.0 x16 slots, 1x PCIe 4.0 x16 slot
<b>Display Interface</b>	Support 4K@120Hz as specified in HDMI™ 2.1 FRL, DisplayPort 1.4, 1x Type-C Display port – Requires Processor Graphics
<b>Memory Support</b>	4 DIMMs, Dual Channel DDR5 7800+MHz (OC)
<b>Storage</b>	2x M.2 PCIe 5.0 x4 slots, 2x M.2 PCIe 4.0 x4 slots, 6x SATA 6Gb/s ports
<b>USB ports</b>	1x USB 3.2 Gen 2x2 20Gbps (1 Type-C), 8x USB 3.2 Gen 2 10Gbps (6 Type-A + 2 Type-C), 4x USB 3.2 Gen 1 5Gbps (4 Type-A), 6x USB 2.0
<b>LAN</b>	Realtek® RTL8125BG 2.5Gbps LAN
<b>Wireless / Bluetooth</b>	AMD Wi-Fi 6E, Bluetooth 5.2
<b>Audio</b>	8-Channel (7.1) HD Audio with Audio Boost 5

## CONNECTIONS



1. Clear CMOS Button
2. Flash BIOS Button
3. DisplayPort
4. USB 2.0
5. 2.5G LAN
6. Audio Connectors
7. Smart Button
8. HDMI™
9. USB 3.2 Gen 2 10Gbps (Type-C Display port)
10. USB 3.2 Gen 2 10Gbps (Type-A)
11. USB 3.2 Gen 2x2 20Gbps (Type-C)
12. Wireless / Bluetooth
13. S/PDIF-Out