SPECIFICATIONS

Model Name	MPG X670E CARBON WIFI
CPU Support	Supports AMD Ryzen™ 7000 Series Desktop Processors
CPU Socket	Socket AM5
Chipset	AMD X670 Chipset
Expansion slots	2x PCIe 5.0 x16 slots, 1x PCIe 4.0 x16 slot
Display Interface	Support 4K@120Hz as specified in HDMI™ 2.1 FRL, DisplayPort 1.4, 1x Type-C Display port – Requires Processor Graphics
Memory Support	4 DIMMs, Dual Channel DDR5
Storage	2x M.2 PCIe 5.0 x4 slots, 2x M.2 PCIe 4.0 x4 slots, 6x SATA 6Gb/s ports
USB ports	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
LAN	Realtek® RTL8125BG 2.5Gbps LAN
Wireless / Bluetooth	AMD Wi-Fi 6E, Bluetooth 5.2
Audio	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

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
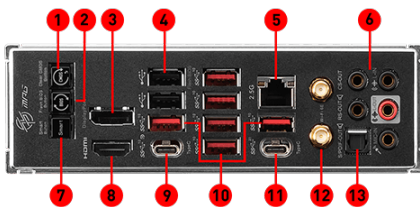Built-in USB 3.2 Gen 2x2 port, offers 20Gbps transmission speed, 4X faster than USB 3.2 Gen 1.

Audio Boost 5
Isolated audio with a high quality audio processor for the most immersive gaming experience

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