

# **MPG Z690 CARBON WIFI**

PERFORM IN STYLE







# **SPECIFICATIONS**

MPG Z690 CARBON WIFI
Supports 12th/ 13th Gen Intel® Core™ Processors, Pentium®
Gold and Celeron® Processors
LGA 1700
Intel® Z690 Chipset
2x PCle 5.0 x16 slots, 1x PCle 3.0 x16 slot
Support AMD® CrossFire™ Technology
Support 4K@60Hz as specified in HDMI™ 2.1, DisplayPort
1.4
- Requires Processor Graphics
4 DIMMs, Dual Channel DDR5-6666+ (OC)
4x M.2 Gen4 x4 64Gbps slots, 1x M.2 Gen3 x4 32Gbps slot,
supports Intel® Optane™ Technology
6 x SATA 6Gbps
1x USB 3.2 Gen 2x2 20Gbps (1 Type-C),
6x USB 3.2 Gen 2 10Gbps (5 Type-A + 1 Type-C),
2x USB 3.2 Gen 1 5Gbps (2 Type-A),
8x USB 2.0
Intel® I225-V 2.5G LAN
Intel <sup>®</sup> Wi-Fi 6E module, Bluetooth 5.2
8-Channel (7.1) HD Audio with Audio Boost 5

## **FEATURES**



### **Premium Thermal Design**

Heavy plated mosfet heatsink with heat-pipe / high quality 7 W/mK mosfet thermal pads / extra choke thermal pads / 3 x onboard M.2 Shield Frozr



#### **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.



#### 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.



#### Lightning Gen 5

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



### Audio Boost 5

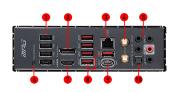
Isolated audio with a high quality audio processor for the most immersive gaming experience



## 2oz Thickened Copper PCB

An enhanced PCB design improves heat dissipation and performance reliability.

# **CONNECTIONS**



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