MOTHERBOARDS

MPG Z890 CARBON WIFI

GAME IN STYLE



SPECIFICATIONS

Model Name	MPG Z890 CARBON WIFI
CPU Support	Supports Intel® Core™ Ultra Processors (Series 2)
CPU Socket	LGA 1851
Chipset	Intel® Z890 Chipset
Expansion Slot	2x PCIe 5.0 x16 slots, 1x PCIe 4.0 x16 slot
Display Interface	2x Thunderbolt™ 4 (Type-C), Support 8K@60Hz as specified in HDMI™ 2.1 FRL – Requires Processor Graphics
Memory Support	4 DIMMs, Dual Channel DDR5
Storage	1x M.2 Gen5 x4 128Gbps slot, 4x M.2 Gen4 x4 64Gbps slots, 4x SATA 6Gbps ports
Thunderbolt™ 4	2x USB Type-C up to 40Gbps, Charging support up to 5V/3A, 15W
USB ports	1x USB 3.2 Gen 20Gbps (Type-C), 11x USB 3.2 Gen 10Gbps (10 Type-A + 1 Type-C), 4x USB 3.2 Gen 5Gbps (4 Type-A), 4x USB 2.0
LAN	1x Intel® Killer™ E5000B 5G LAN 1x Intel® I226V 2.5G LAN
WiFi / BT	Intel® Killer™ BE1750x Wi-Fi 7, Bluetooth 5.4
Audio	8-Channel (7.1) HD Audio with Audio Boost 4

FEATURES

Premium Thermal Design

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

EZ PCIe Release

A simple press of a button to effortlessly lock or unlock the PCIe slot, simplifying the installation and removal of the graphics card.

EZ M.2 Shield Frozr II

The new tool-less design makes installing or removing your M.2 SSD and Shield Frozr much easier

Lightning Gen 5

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

Latest DDR5 Memory

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

Quintuple M.2 Connectors

Onboard 5x M.2 connectors with one Lightning Gen 5 solution for the maximum storage performance.

Dual Thunderbolt™ 4 ports

Thunderbolt™ 4 brings Thunderbolt to USB-C at true 40 Gb/s speeds, 8K display support, Daisy-Chain, Multi-Port Accessory Architecture and USB 4.0 compliant.

Dual LAN

Dual premium network solution for both Intranet and Internet, offering a smooth gaming experience for effective network connection

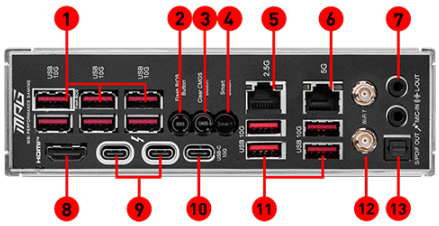
Wi-Fi 7

The latest wireless solution with a new 320MHz channel, achieving a maximum transmission speed of 5.8Gbps, which is 2.4 times faster than Wi-Fi 6/6E.

Audio Boost 4

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

CONNECTIONS



1. USB 10Gbps Type-A
2. Flash BIOS Button
3. Clear CMOS Button
4. Smart Button
5. 2.5G LAN
6. 5G LAN
7. HD Audio Connectors
8. HDMI™
9. USB 40Gbps Type-C
10. USB 10Gbps Type-C
11. USB 10Gbps Type-A
12. Wi-Fi / Bluetooth Antenna
13. Optical S/PDIF OUT

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