



SPECIFICATIONS

| | |
|---------------------------|---|
| Model Name | MPG Z490 CARBON EK X |
| CPU Support | Supports 10 th Gen Intel® Core™ and Pentium® Gold / Celeron® processors |
| CPU Socket | LGA 1200 |
| Chipset | Intel® Z490 Chipset |
| Graphics Interface | 3x PCI-E 3.0 x16 slots Support 2-Way NVIDIA® SLI™ / 3-Way AMD® CrossFire™ Technology |
| Display Interface | DisplayPort, HDMI™ - Requires Processor Graphics |
| Memory Support | 4 DIMMs, Dual Channel DDR4-4800(OC) |
| Expansion Slots | 2x PCIe 3.0 x1 slots |
| Storage | 2x M.2 slots, support Intel® Optane™ Technology 6x SATA 6Gb/s |
| USB ports | 1 x USB 3.2 Gen 2x2 20Gbps (Type-C) + 5 x USB 3.2 Gen 2 10Gbps (1 Type-C + 4 Type-A) + 2 x USB 3.2 Gen 1 5Gbps (Type-A) + 6 x USB 2.0 |
| LAN | Realtek® 8125B 2.5G LAN |
| WiFi / BT | Intel® Wi-Fi 6 AX201, Bluetooth 5.1 |
| Audio | 8-Channel(7.1) HD Audio with Audio Boost 4 |
| Form Factor | ATX |

FEATURES



Mystic Light RGB LED

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



CPU + VRM Water Cooling

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



2.5G Network Solution

Featuring premium 2.5G LAN to deliver better network experience.



WiFi 6

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



Audio Boost 4

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



DDR4 Boost

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



Pre-installed I/O Shielding

Better EMI protection and more convenience for installation



Lightning USB 20G

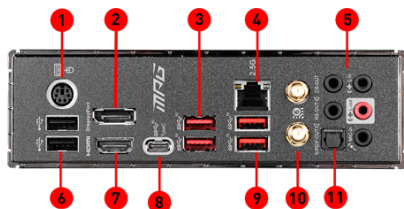
Built-in USB 3.2 Gen 2x2 port, offers 20Gbps transmission speed, 4X faster than USB 3.2 Gen 1.



M.2 SHIELD FROZR

Onboard M.2 thermal solution to keep M.2 SSDs safe while preventing throttling, making them run cooler & faster.

CONNECTIONS



1. PS/2 Combo Port
2. DisplayPort
3. USB 3.2 Gen 2 10Gbps (Type-A)
4. 2.5G LAN
5. HD Audio Connectors
6. USB 2.0
7. HDMI™
8. USB 3.2 Gen 2x2 20Gbps (Type-C)
9. USB 3.2 Gen 2 10Gbps (Type-A)
10. Wi-Fi 6
11. Optical S/PDIF OUT