CARTES MÈRES

# MPG Z690 CARBON EK X

GAME IN STYLE



## SPECIFICATIONS

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

## FEATURES

**Indicateur de flux**

Boucle instantanée et aperçu du débit du liquide.

**Lightning Gen 5**

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

**Wi-Fi 6E**

La nouvelle solution de connexion sans-fil Wi-Fi 6 supporte le spectre 6 GHz, les technologies MU-MIMO et BSS et offre un débit allant jusqu'à 2400 Mb/s.

**2,5G LAN**

Le connecteur 2,5G LAN délivre une expérience en ligne parfaitement fluide.

**Lightning USB 20G**

Le port USB 3.2 Gen 2x2 fournit un taux de transfert pouvant aller jusqu'à 20 Gb/s, ce qui est quatre fois plus rapide que l'USB 3.2 Gen1.

**Audio Boost 5**

Circuit audio isolé avec processeur audio et condensateur haute qualité pour une expérience gaming plus immersive.

**Core Boost**

Circuit repensé et alimentation numérique pour supporter plus de cœurs et assurer de meilleures performances.

**Memory Boost**

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

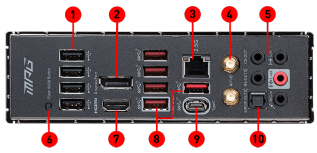
**CPU+ VRM + M.2 Water Cooling**

A custom-designed EK monoblock that offers pristine cooling for CPU, VRM power and M.2 section.

**Mystic Light RGB LED**

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

## CONNECTIONS



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

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