



## SPECIFICATIONS

|                             |   |
|-----------------------------|---|
| <b>Model Name</b>           | Z790 PROJECT ZERO   |
| <b>CPU Support</b>          | Support Intel® Core™ 14th/ 13th/ 12th Gen Processors, Intel® Pentium® Gold and Celeron® Processors                                      |
| <b>CPU Socket</b>           | LGA 1700  |
| <b>Chipset</b>              | Intel® Z790 Chipset   |
| <b>Expansion Slots</b>      | 1x PCIe 5.0 x16 slot,<br>1x PCIe 4.0 x16 slot,<br>2x PCIe 3.0 x1 slots  |
| <b>Display Interface</b>    | Support 4K@60Hz as specified in HDMI™ 2.1, DisplayPort 1.4<br>- Requires Processor Graphics   |
| <b>Memory Support</b>       | 4 DIMMs, Dual Channel DDR5-7200+MHz (OC)  |
| <b>Storage</b>              | 4x M.2 Gen4 x4 64Gbps slots, 6x SATA 6Gbps ports  |
| <b>USB ports</b>            | 1x USB 3.2 Gen 2x2 20Gbps (Type-C),<br>2x USB 3.2 Gen 2 10Gbps (1 Type-A + 1 Type-C),<br>6x USB 3.2 Gen 1 5Gbps (Type-A),<br>8x USB 2.0 |
| <b>LAN</b>                  | Intel® 2.5Gbps LAN  |
| <b>Wireless / Bluetooth</b> | Wi-Fi 7 Solution, Bluetooth 5.4   |
| <b>Audio</b>                | 8-Channel (7.1) HD Audio with Audio Boost   |

## FEATURES



### Back-Connect Design

Move the connectors to the back to provide a cleaner and neater front view and significantly reduces the difficulty of cable management.



### 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.



### 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.



### 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.



### M.2 Shield FROZR

M.2 thermal accessory keeps M.2 SSDs safe while preventing throttling, making them run faster.



### Core Boost

With premium layout and fully digital power design to support more cores and provide better performance.



### Audio Boost

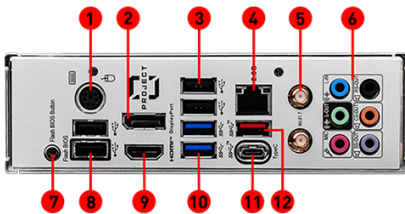
Reward your ears with studio grade sound quality for the most immersive audio experience.



### 6 Layer PCB with 2oz Thickened Copper

An Enhanced PCB design provides higher performance and long-lasting system stability without any compromise.

## CONNECTIONS



- |                                   |                                 |
|-----------------------------------|---------------------------------|
| 1. Mouse / Keyboard               | 2. DisplayPort 1.4              |
| 3. USB 2.0                        | 4. 2.5G LAN Port                |
| 5. Wi-Fi / Bluetooth Antenna      | 6. Audio Connectors             |
| 7. Flash BIOS Button              | 8. USB 2.0                      |
| 9. HDMI™ 2.1 Port                 | 10. USB 3.2 Gen 1 5Gbps Type-A  |
| 11. USB 3.2 Gen 2x2 20Gbps Type-C | 12. USB 3.2 Gen 2 10Gbps Type-A |