



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.



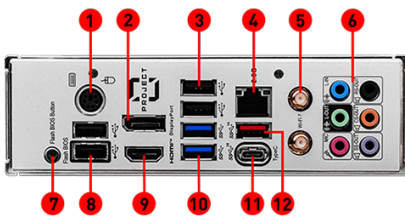
6 Layer PCB with 2oz Thickened Copper

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

SPECIFICATIONS

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

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 |