



## SPECIFICATIONS

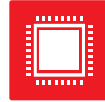
<b>Model Name</b>	MEG Z790 ACE
<b>CPU Support</b>	Support Intel® Core™ 14th/ 13th/ 12th Gen Processors, Intel® Pentium® Gold and Celeron® Processors
<b>CPU Socket</b>	LGA 1700
<b>Chipset</b>	Intel® Z790 Chipset
<b>Expansion Slots</b>	2x PCIe 5.0 x16 slots 1x PCIe 4.0 x16 slot
<b>Display Interface</b>	1x Type-C Display port - Requires Processor Graphics 2x Thunderbolt™ 4 (Type-C), Input from mini DisplayPort
<b>Thunderbolt™ 4</b>	2x USB Type-C up to 40G, Charging support up to 5V/3A, 15W 2x Mini DisplayPort input ports
<b>Memory Support</b>	4 DIMMs, Dual Channel DDR5 7800+MHz (OC)
<b>Storage</b>	1x M.2 Gen 5 x4 128Gbps slot 4x M.2 Gen 4 x4 64Gbps slots 6x SATA 6Gbps ports
<b>USB ports</b>	2x USB 3.2 Gen 2x2 20Gbps (2 Type-C) 8x USB 3.2 Gen 2 10Gbps (7 Type-A + 1 Type-C) 4x USB 3.2 Gen 1 5Gbps (4 Type-A) 4x USB 2.0
<b>LAN</b>	2x Intel® 2.5Gbps LAN
<b>WiFi / BT</b>	Intel® Wi-Fi 6E, Bluetooth 5.3
<b>Audio</b>	8-Channel (7.1) HD Audio with Audio Boost 5 HD

## FEATURES



### 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.



### 24+1+2 Phases Power Design

The ultimate power solution with DRPS and 105A Smart Power Stage unleashes the maximum CPU performance.



### Premium Thermal Solution

Stacked Fin Array, Direct Touch Cross Heat-pipe, Aluminum Backplate, double-sided M.2 Shield Frozr, and Frozr AI software ensure the extreme performance with low temperature.



### 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.



### Magnetic and Screwless M.2 Shield Frozr

The patented design enables true “wire-less” RGB function, while the screwless design provides the easiest way for M.2 installation.



### Dual 2.5G LAN

Onboard dual 2.5Gbps LAN provides incredible data transfer speed faster than general Gigabit LAN, delivering the best online gaming experience.



### Wi-Fi 6E

The latest wireless solution supports 6GHz spectrum, MU-MIMO and BSS color technology, delivering speeds up to 2400Mbps.



### Audio Boost 5 HD

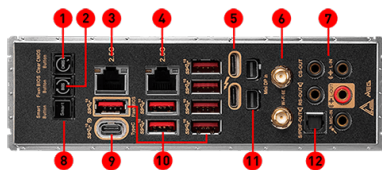
Ultimate audio solution with premium audio processor combining ESS audio DAC and amplifier deliver the breathtaking experience.



### 8 Layer PCB with 2oz Thickened Copper

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

## CONNECTIONS



1. Clear CMOS Button
2. Flash BIOS Button
3. 2.5G LAN
4. 2.5G LAN
5. Thunderbolt 4 40Gbps (Type-C)
6. Wi-Fi / Bluetooth
7. HD Audio Connectors
8. Smart Button
9. USB 3.2 Gen 2 10Gbps (Type-C Display port)
10. USB 3.2 Gen 2 10Gbps (Type-A)
11. Mini DisplayPort Input (for Thunderbolt passthrough)
12. Optical S/PDIF-Out