














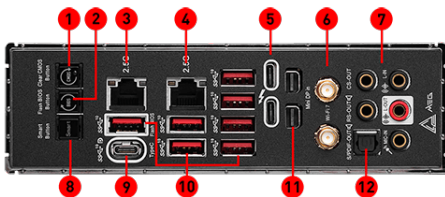
SPECIFICATIONS

Model Name	MEG Z790 ACE MAX
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	2x PCIe 5.0 x16 slots 1x PCIe 4.0 x16 slot
Display Interface	1x Type-C Display port - Requires Processor Graphics 2x Thunderbolt™ 4 (Type-C), Input from mini DisplayPort
Thunderbolt™ 4	2x USB Type-C up to 40G, USB 4.0 compliant, Charging support up to 5V/3A, 15W 2x Mini DisplayPort input ports
Memory Support	4 DIMMs, Dual Channel DDR5 7800+MHz (OC)
Storage	1x M.2 Gen 5 x4 128Gbps slot 4x M.2 Gen 4 x4 64Gbps slots 6x SATA 6Gbps ports
USB ports	2x USB 3.2 Gen 2 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
LAN	2x Intel® 2.5Gbps LAN
WiFi / BT	Wi-Fi 7 Solution, Bluetooth 5.4
Audio	8-Channel (7.1) HD Audio with Audio Boost 5 HD

FEATURES

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Dual Thunderbolt™ 4 ports
 Thunderbolt™ 4 brings Thunderbolt to USB-C at true 40 Gb/s speeds, 8K display support, Daisy-Chaining, Multi-Port Accessory Architecture and USB 4.0 compliant.
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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.
- 
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.
- 
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.
- 
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.
- 
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.
- 
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)
10. USB 3.2 Gen 2 10Gbps (Type-A)
11. Mini DisplayPort Input (for Thunderbolt passthrough)
12. Optical S/PDIF-Out