MOTHERBOARD

MEG Z790 GODLIKE

ONE BOARD TO RULE THEM ALL



SPECIFICATIONS

Model Name	MEG Z790 GODLIKE
CPU Support	Supports 12th/ 13th Gen Intel® Core™ Processors, Pentium® Gold and Celeron® Processors
CPU Socket	LGA 1700
Chipset	Intel® Z790 Chipset
Expansion Slots	2x PCIe 5.0 x16 slots
Display Interface	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, 5x M.2 Gen 4 x4 64Gbps slots, 1x M.2 Gen 3 x4 32Gbps slots, 6x SATA 6Gbps ports
USB ports	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
LAN	1x Marvell® AQC113CS-B1-C 10Gbps LAN, 1x Intel® 2.5Gbps LAN
WiFi / BT	Intel® Wi-Fi 6E module, Bluetooth 5.2
Audio	8-Channel (7.1) HD Audio with Audio Boost 5 HD

FEATURES

M-Vision Dashboard

The touch screen not only displays the status of your gaming rig, but also allows system operation and customization with touch control.

Dual Thunderbolt™ 4 ports

Thunderbolt™ 4 brings Thunderbolt to USB-C at true 40 Gb/s speeds, 8K display support, Daisy-Chaining and Multi-Port Accessory Architecture.

26+2 Phases Power Design

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

Optimum Thermal Solution

Wavy Fin Design, Direct Touch Cross Heat-pipe, Aluminum Cover, Double-sided M.2 Shield Frozr, Metal Backplate and Frozr AI software ensure the utmost performance with low temp.

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.

Septuple M.2 Connectors

Onboard 7x M.2 connectors including 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.

10G Super LAN + 2.5G LAN

Onboard 10Gbps LAN plus 2.5G LAN provides the next level network speed, secure networking with the fastest data throughput to deliver 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.

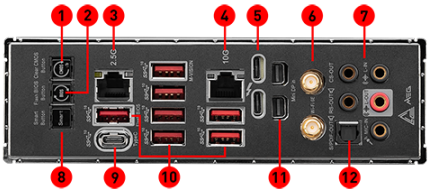
Audio Boost 5 HD

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. 10G Super 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

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