MEG Z790 GODLIKE MAX

ONE BOARD TO RULE THEM ALL

intel
CHIPSET
Z790

SPECIFICATIONS

Model Name	MEG Z790 GODLIKE 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
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	Wi-Fi 7 Solution, Bluetooth 5.4
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, Multi-Port Accessory Architecture and USB 4.0 compliant.

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.

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.

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.

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.

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.
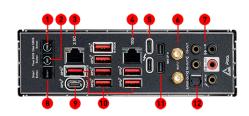
Audio Boost 5 HD

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. 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