# **MEG Z790 GODLIKE**

ONE BOARD TO RULE THEM ALL





## **SPECIFICATIONS**

Model Name	MEG 7790 GODI IKE
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 PCle 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 <sup>®</sup> 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, 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 Al software ensure the utmost performance with low temp.



#### Lightning Gen 5

The latest PCle 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 longlasting system stability without any compromise.

## CONNECTIONS



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