



# msi

MOTHERBOARDS

## MEG Z690 GODLIKE

ONE BOARD TO RULE THEM ALL



### SPECIFICATIONS

<b>Model Name</b>	MEG Z690 GODLIKE
<b>CPU Support</b>	Supports 12th Gen Intel® Core™ Processors, Pentium® Gold and Celeron® Processors
<b>CPU Socket</b>	LGA 1700
<b>Chipset</b>	Intel® Z690 Chipset
<b>Graphics Interface</b>	2x PCIe 5.0 x16 slots, 1x PCIe 4.0 x16 slot, Support NVIDIA® SLI™ / AMD® CrossFire™ Technology
<b>Display Interface</b>	2x Thunderbolt™ 4 (Type-C) - Input from mini DisplayPort
<b>Memory Support</b>	4 DIMMs, Dual Channel DDR5-6666+MHz (OC)
<b>Storage</b>	1x M.2 Gen5 x4 128Gbps slot, 4x M.2 Gen4 x4 64Gbps slots, 1x M.2 Gen3 x4 32Gbps slot, 6x SATA 6Gb/s ports
<b>Thunderbolt™ 4</b>	2x USB Type-C up to 40G, Charging support up to 5V/3A, 15W, 2x Mini DisplayPort input ports
<b>USB ports</b>	2x USB 3.2 Gen2 20Gbps (2 Type-C), 8x USB 3.2 Gen2 10Gbps (8 Type-A), 4x USB 3.2 Gen1 5Gbps (4 Type-A), 4x USB 2.0
<b>LAN</b>	Aquantia AQC113CS 10G LAN, Intel® I225-V 2.5G LAN
<b>WiFi / BT</b>	Intel® Wi-Fi 6E module, Bluetooth 5.2
<b>Audio</b>	8-Channel (7.1) HD Audio with Audio Boost 5 HD

### FEATURES



#### M-VISION DASHBOARD

Industry's first built-in touchable LCD on the motherboard, which supports system tuning and detached mode, brings a new way for your PC operation.



#### Direct 20+2 Phases with 105A SPS

Ultimate direct power solution with 20+2 phases and 105A Smart Power Stage unleash the maximum CPU performance.



#### Premium Thermal Solution

Aluminum Cover, Wavy fin design, Cross Heat-pipe and 7W/mK thermal pads ensure the extreme performance with low temperature.



#### 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.



#### Onboard 6x M.2 Connectors

Sextuple M.2 connectors with Lightning Gen 5 solution. Magnetic double-sided M.2 Shield Frozr keeps M.2 SSDs safe while preventing throttling, making them run faster.



#### Latest Transfer Technology

Lightning PCIe 5.0 readiness with PCIe & M.2 slot and latest DDR5 memory with Memory Boost technology are ready to deliver the world class performance.



#### Dual Front Lightning USB 20G

USB 3.2 Gen 2x2 port offers 20Gbps transmission speed, 4x faster than USB 3.2 Gen 1, available when connecting the front USB Type-C.



#### 10G Super LAN with Wi-Fi 6E solution

Onboard 10Gbps LAN with LAN manager and latest Wi-Fi 6E solution deliver the best online gaming experience.



#### Full Armor Design

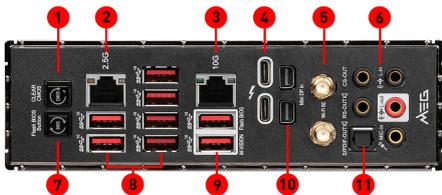
The revolutionary magnetic cover allow you showing off your PC building without messy cable when installing great amount of devices.



#### 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. 2.5G LAN
3. 10G Super LAN
4. Thunderbolt 4 40Gbps (Type-C)
5. Wi-Fi / Bluetooth
6. HD Audio Connectors
7. Flash BIOS Button
8. USB 3.2 Gen2 10Gbps (Type-A)
9. M-VISION Dashboard Port
10. Mini DisplayPort Input (for Thunderbolt passthrough)
11. Optical S/PDIF-Out