



FEATURES



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.



Latest DDR5 Memory

A huge step of DDR performance enhancement with the latest DDR5 memory and MSI Memory Boost technology.



Lightning Gen 5

The latest PCIe 5.0 solution with up to 128GB/s bandwidth for maximum transfer speed.



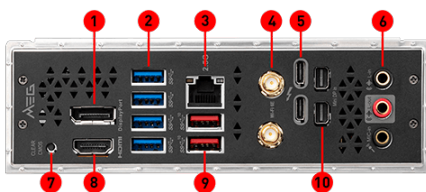
Direct 10+1+1 Phases with 105A SPS

Extreme direct power solution with 10+1+1 phases and 105A Smart Power Stage unleash the maximum CPU performance.

SPECIFICATIONS

Model Name	MEG Z690I UNIFY
CPU Support	Supports 12th Gen Intel® Core™ Processors, Pentium® Gold and Celeron® Processors
CPU Socket	LGA 1700
Chipset	Intel® Z690 Chipset
Graphics Interface	1x PCIe 5.0 x16 slot
Display Interface	Support 4K@60Hz as specified in HDMI™ 2.1, DisplayPort 1.4 - Requires Processor Graphics, 2x Thunderbolt™ 4 (Type-C) - Input from mini DisplayPort
Memory Support	2 DIMMs, Dual Channel DDR5-6800+MHz(OC)
Storage	2x M.2 Gen4 x4 64Gbps slots, 1x M.2 Gen3 x4 32Gbps slot, 4x SATA 6Gb/s ports
Thunderbolt™ 4	2x USB Type-C up to 40G, Charging support up to 5V/3A, 15W 2x Mini DisplayPort input ports
USB ports	1x USB 3.2 Gen 2x2 20Gbps (1 Type-C), 2x USB 3.2 Gen 2 10Gbps (2 Type-A), 6x USB 3.2 Gen 1 5Gbps (6 Type-A), 2x USB 2.0
LAN	Intel® I225-V 2.5G LAN
WiFi / BT	Intel® Wi-Fi 6E module, Bluetooth 5.2
Audio	8-Channel (7.1) HD Audio with Audio Boost 5

CONNECTIONS



1. DisplayPort
2. 2.5G LAN
3. USB 3.2 Gen1 5Gbps (Type-A)
4. Wi-Fi / Bluetooth
5. Thunderbolt 4 40Gbps (Type-C)
6. HD Audio Connectors
7. Clear CMOS Button
8. HDMI™
9. USB 3.2 Gen2 10Gbps (Type-A)
10. Mini DisplayPort Input (for Thunderbolt passthrough)