MOTHERBOARDS

MEG Z690I UNIFY

PURE BLACK, PURE PERFORMANCE



SPECIFICATIONS

Model Name	MEG Z690I UNIFY
CPU Support	Supports 12th/ 13th 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

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.

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.

Triple M.2 Connectors

Onboard 3x M.2 connectors with dual PCIe 4.0 solution, strengthened by M.2 Shield Frozr.

Outstanding Cooling Solution

Frozr Heatsink, VRM Heat-pipe, 7W/mK thermal pads, M.2 Shield Frozr and Aluminum Cover & Backplate ensure the extreme performance with low temp.

Front Lightning USB 20G

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

2.5G LAN

Onboard 2.5G LAN with LAN manager, delivering the best online gaming experience.

SMT PCIE and Memory Slot

The advanced SMT(Surface Mount Technology) welding process reduces the defect rate of slot solder joints, deliver the clean and pure signal.

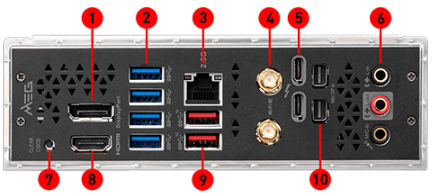
Latest DDR5 Memory

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

Wi-Fi 6E

The latest wireless solution supports 6GHz spectrum, MU-MIMO and BSS color technology, delivering speeds up to 2400Mbps.

CONNECTIONS



1. DisplayPort
2. USB 3.2 Gen1 5Gbps (Type-A)
3. 2.5G LAN
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)

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