



SPECIFICATIONS

Model Name	MEG Z890 UNIFY-X
CPU Support	Support Intel® Core™ Ultra Processors (Series 2)
CPU Socket	LGA 1851
Chipset	Intel® Z890 Chipset
Expansion Slots	2x PCIe 5.0 x16 slots, 1x PCIe 4.0 x16 slot, 1x PCIe 4.0 x1 slot
Display Interface	2x Thunderbolt™ 4 (Type-C), - Requires Processor Graphics
Memory Support	2 DIMMs, Dual Channel DDR5 9600+ MT/s (OC)
Storage	1x M.2 Gen 5 x4 128Gbps slot, 5x M.2 Gen 4 x4 64Gbps slots, *M.2_4 support Gen 5 x4 by manual BIOS adjustment 6x SATA 6Gbps ports
Thunderbolt™ 4	2x USB Type-C up to 40Gbps, Charging support up to 5V/3A, 15W
USB ports	1x USB 20Gbps (1 Type-C), 10x USB 10Gbps (8 Type-A + 2 Type-C), 4x USB 5Gbps (4 Type-A), 4x USB 2.0
LAN	Intel® Killer™ E5000B 5Gbps LAN
WiFi / BT	Intel® Killer™ BE1750x Wi-Fi 7, Bluetooth 5.4
Audio	8-Channel (7.1) USB High Performance Audio with Audio Boost 5

FEATURES



Extreme DDR5 Memory OC

The top-notch R&D design and exclusive 2 DIMM solution for an even clearer DDR5 memory signal to deliver the world class memory performance.



Ultra Power +

The ultimate power solution with Direct 20+2+1+1 phases, 110A SPS, and OC Engine unleashes maximum CPU performance.



Frozr 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.



Dual Thunderbolt™ 4 ports

Thunderbolt™ 4 brings Thunderbolt to USB-C at true 40 Gb/s speeds, 8K display support, Daisy-Chain, Multi-Port Accessory Architecture and USB 4.0 compliant.



5G Network Solution

Featuring premium 5G LAN to deliver better network experience.



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/E.



Onboard 6x M.2 Connectors

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



EZ M.2 Shield Frozr II

The new tool-less design makes installing or removing your M.2 SSD and Shield Frozr much easier



EZ PCIe Release

A simple press of a button to effortlessly lock or unlock the PCIe slot, simplifying the installation and removal of the graphics card.



Lightning Gen 5

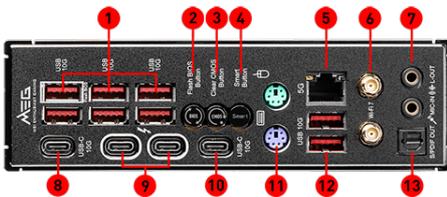
The latest PCIe 5.0 solution with up to 128GB/s bandwidth for maximum transfer speed.



Audio Boost 5

Isolated audio with a high quality audio processor & amp for the most immersive gaming experience.

CONNECTIONS



- | | |
|----------------------------------|-------------------------|
| 1. USB 10Gbps (Type-A) | 2. Flash BIOS Button |
| 3. Clear CMOS Button | 4. Smart Button |
| 5. 5G LAN | 6. Wi-Fi / Bluetooth |
| 7. HD Audio Connectors | 8. USB 10Gbps (Type-C) |
| 9. Thunderbolt 4 40Gbps (Type-C) | 10. USB 10Gbps (Type-C) |
| 11. Keyboard / Mouse | 12. USB 10Gbps (Type-A) |
| 13. Optical S/PDIF-Out | |