ASCENDANT CRAFTED EXCELLENCE







SPECIFICATIONS

Model Name	MEG Z890 ACE
CPU Support	Support Intel® Core™ Ultra Processors (Series 2)
CPU Socket	LGA 1851
Chipset	Intel® Z890 Chipset
Expansion Slots	2x PCle 5.0 x16 slots
	1x PCIe 4.0 x4 slot
Display Interface	2x Thunderbolt™ 4 (Type-C),
	Support 8K@60Hz as specified in HDMI™ 2.1 FRL,
	- Requires Processor Graphics
Memory Support	4 DIMMs, Dual Channel DDR5 9200+ MT/s (OC)
Storage	1x M.2 Gen 5 x4 128Gbps slot,
	4x M.2 Gen 4 x4 64Gbps slots,
	*M.2_4 support Gen 5 x4 by manual BIOS adjustment
	4x 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),
	13x USB 10Gbps (11 Type-A + 2 Type-C),
	4x USB 5Gbps (4 Type-A),
	4x USB 2.0
LAN	Marvell® AQC113CS 10G 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 HD

FEATURES



Ultra Power +

The ultimate power solution with 24+2+1+1 DRPS, 110A SPS, and OC Engine unleashes maximum CPU performance.



Frozr Design

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.



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.



10G Super LAN

Next level network speed, secure networking with fastest data throughput to improve efficiency.



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 6/6E.



Quintuple M.2 Connectors

Onboard 5x M.2 connectors with one Lightning Gen 5 solution for the maximum storage performance.



EZ Magnetic M.2 Shield Frozr II

The patented design enables true "wire-less" RGB function, while the screwless design provides the easiest way for M.2 installation.



EZ PCIe Release

A simple press of a button to effortlessly lock or unlock the PCle 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.



Latest DDR5 Memory

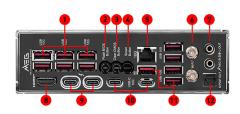
A huge step of DDR performance enhancement with the latest DDR5 memory and MSI Memory Boost technology.



Audio Boost 5 HD

Ultimate audio solution with premium audio processor combining ESS audio DAC and amplifier deliver the breathtaking experience.

CONNECTIONS



- 1. USB 10Gbps (Type-A)
- 3. Clear CMOS Button
- 5. 10G LAN
- 7. HD Audio Connectors
- 9. Thunderbolt 4 40Gbps (Type-C)
- 11. USB 10Gbps (Type-A)
- 2. Flash BIOS Button
- 4. Smart Button
- 6. Wi-Fi / Bluetooth
- 8. HDMI™ 2.1 Port
- 10. USB 10Gbps (Type-C)
- 12. Optical S/PDIF-Out