msi®

ANAKART

MEG Z890 ACE

ASCENDANT CRAFTED EXCELLENCE

intel
CHIPSET
Z890

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 PCIe 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
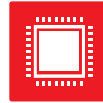
Ultra Power +

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 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.

10G Super LAN

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

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 6/6E.

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 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.
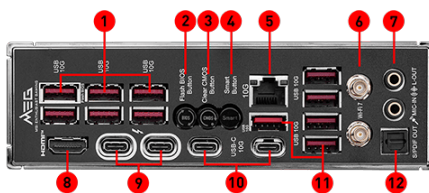
Latest DDR5 Memory

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