MOTHERBOARDS

MAG Z690 TORPEDO EK X

CONQUER THE BATTLEFIELD

Copper PCB 2oz



SPECIFICATIONS

Model Name	MAG Z690 TORPEDO EK X
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, 1x PCIe 3.0 x16 slot Supports AMD® CrossFire™ Technology
Display Interface	Support 4K@60Hz as specified in HDMI™ 2.1, DisplayPort 1.4 – Requires Processor Graphics
Memory Support	4 DIMMs, Dual Channel DDR5-6400+ (OC)
Expansion Slots	1x PCIe 3.0 x16 slot, 1x PCIe 3.0 x1 slot
Storage	3x M.2 Gen4 x4 64Gbps slots, 1x M.2 Gen3 x4 32Gbps slot, Support Intel® Optane™ Technology, 6x SATA 6Gbps ports
USB ports	1x USB 3.2 Gen 2x2 20Gbps (Type-C), 4x USB 3.2 Gen 2 10Gbps (Type-A + Type-C), 4x USB 3.2 Gen 1 5Gbps (Type-A), 6x USB 2.0
LAN	1x Intel® I225-V 2.5G LAN
Audio	8-Channel (7.1) HD Audio with Audio Boost 5

FEATURES

CPU + VRM cooling

A custom-designed EK monoblock that offers cooling for both the CPU and VRM power delivery section.

Quadruple M.2 Connectors

Onboard quadruple M.2 connectors for the maximum storage performance with three Lightning Gen 4 solution.

M.2 Shield FROZR

M.2 SSDs werden durch diese integrierte Kühllösung vor Wärmedrosselung bewahrt, wodurch sie höhere Leistung erzielen können.

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.

2.5G Network Solution

Featuring premium 2.5G LAN to deliver better network experience.

Lightning USB 20G

Built-in USB 3.2 Gen 2x2 port, offers 20Gbps transmission speed, 4X faster than USB 3.2 Gen 1.

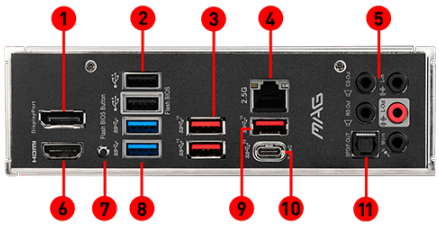
Memory Boost

Advanced technology to deliver pure data signals for the best performance, stability and compatibility.

Audio Boost 5

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

CONNECTIONS



1. DisplayPort 1.4
2. USB 2.0 Port
3. USB 3.2 Gen 1 10Gbps Type-A
4. 2.5G LAN Port
5. HD Audio Connectors
6. HDMI™ 2.1 Port
7. Flash BIOS Button
8. USB 3.2 Gen 1 5Gbps Type-A
9. USB 3.2 Gen 2 10Gbps Type-A
10. USB 3.2 Gen 2x2 20Gbps Type-C
11. Optical S/PDIF OUT

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