MOTHERBOARD

MEG Z590 UNIFY

PURE BLACK, PURE PERFORMANCE



SPECIFICATIONS

Model Name	MEG Z590 UNIFY
CPU Support	Supports 10th Gen Intel® Core™ Processors, 11th Gen Intel® Core™ Processors, Pentium® Gold and Celeron® Processors
CPU Socket	LGA 1200
Chipset	Intel® Z590 Chipset
Graphics Interface	1x PCIe 4.0 x16 slot, 1x PCIe 3.0 x4 slot Support 2-way AMD® CrossFire™ Technology
Display Interface	Support 4K@60Hz as specified in HDMI™ 2.0b – Requires Processor Graphics
Memory Support	4 DIMMs, Dual Channel DDR4-5600MHz(OC)
Expansion Slots	2x PCIe 3.0 x1 slots
Storage	3x M.2 Gen4 x4 64Gb/s slots, 1x M.2 Gen3 x4 32Gb/s slot, supports Intel® Optane™ Technology 6x SATA 6Gb/s ports
USB ports	1x USB 3.2 Gen 2x2 20Gbps (1 Type-C), 2x USB 3.2 Gen 2 10Gbps (1 Type-A + 1 Type-C), 10x USB 3.2 Gen 1 5Gbps (10 Type-A), 6x USB 2.0
LAN	Intel® I225-V 2.5G LAN
Wireless / Bluetooth	Intel® Wi-Fi 6E AX210, Bluetooth 5.2
Audio	8-Channel (7.1) HD Audio with Audio Boost 5

FEATURES

Extreme Power Design

INTERSIL digital PWM, 16+2+1 phases with 90A SPS, Mirrored Power Arrangement and dual CPU power connectors to unleash the maximum performance.

Triple Lightning Gen4 M.2

Maximum onboard triple Gen4 M.2 solution provides multiple configurations for demanding gamers and power users.

Quadruple M.2 Connectors

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

Outstanding Cooling Solution

Aluminum Cover design, VRM Heat-pipe, 7W/mK thermal pads, M.2 Shield Frozr and MOSFET Baseplate to ensure the extreme performance with low temp.

Lightning USB 20G

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

2.5G LAN

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

Wi-Fi 6E

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

Smart Button

Reset Computer, Safe Boot, Turbo Fan and EZ LED control functions with just one click.

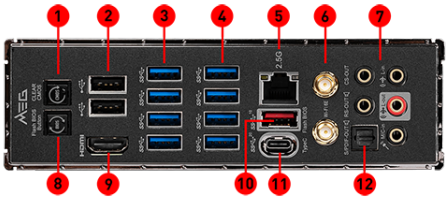
Audio Boost 5

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

8 Layer PCB with 2oz Thickened Copper

An Enhanced PCB design provides higher performance and long-lasting system stability without any compromise.

CONNECTIONS



1. Clear CMOS Button
2. USB 2.0
3. USB 3.2 Gen 1 5Gbps (Type-A)
4. USB 3.2 Gen 1 5Gbps (Type-A)
5. 2.5G LAN
6. Wi-Fi / Bluetooth
7. HD Audio Connectors
8. Flash BIOS Button
9. HDMI™
10. USB 3.2 Gen 2 10Gbps (Type-A)
11. USB 3.2 Gen 2x2 20Gbps (Type-C)
12. Optical S/PDIF-Out

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