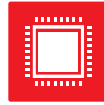




SPECIFICATIONS

| | |
|-----------------------------|---|
| 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.



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

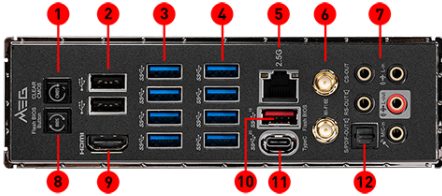
Isolated audio with a high quality audio processor for the most immersive gaming experience



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