



# msi

MOTHERBOARD

## MEG Z590 UNIFY-X

PURE BLACK, PURE PERFORMANCE



### SPECIFICATIONS

<b>Model Name</b>	MEG Z590 UNIFY-X
<b>CPU Support</b>	Supports 10th Gen Intel® Core™ Processors, 11th Gen Intel® Core™ Processors, Pentium® Gold and Celeron® Processors
<b>CPU Socket</b>	LGA 1200
<b>Chipset</b>	Intel® Z590 Chipset
<b>Graphics Interface</b>	1x PCIe 4.0 x16 slot, 1x PCIe 3.0 x4 slot Support 2-way AMD® CrossFire™ Technology
<b>Display Interface</b>	Support 4K@60Hz as specified in HDMI 2.0b - Requires Processor Graphics
<b>Memory Support</b>	2 DIMMs, Dual Channel DDR4-5600MHz(OC)
<b>Expansion Slots</b>	2x PCIe 3.0 x1 slots
<b>Storage</b>	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
<b>USB ports</b>	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
<b>LAN</b>	Intel® I225-V 2.5G LAN
<b>Wireless / Bluetooth</b>	Intel® Wi-Fi 6E AX210, Bluetooth 5.2
<b>Audio</b>	8-Channel (7.1) HD Audio with Audio Boost 5

### FEATURES



#### Dedicated for Extreme OC

The top-notch R&D design and exclusive 2 DIMM solution deliver the world class memory performance.



#### 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.



#### Quadruple M.2 Connectors

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



#### Triple Lightning Gen4 M.2

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



#### 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.



#### Wi-Fi 6E

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



#### 2.5G LAN

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



#### Smart Button

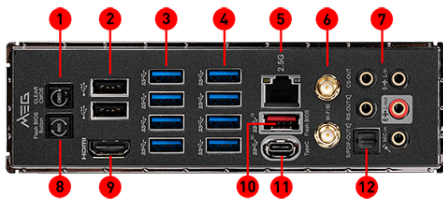
Reset Computer, Safe Boot, Turbo Fan and EZ LED control functions with just one click.



#### 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            |