



# msi

MOTHERBOARDS

## MEG Z490 UNIFY

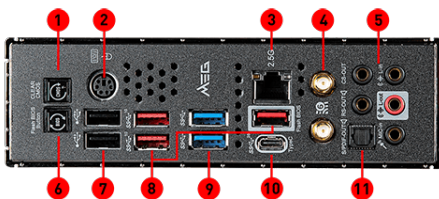
PURE BLACK, PURE PERFORMANCE



## SPECIFICATIONS

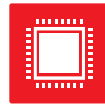
<b>Model Name</b>	MEG Z490 UNIFY
<b>CPU Support</b>	Supports 10 <sup>th</sup> Gen Intel® Core™ and Pentium® Gold / Celeron® processors
<b>CPU Socket</b>	LGA 1200
<b>Chipset</b>	Intel® Z490 Chipset
<b>Graphics Interface</b>	3 x PCI-E 3.0 x16 slots Support 2-way NVIDIA® SLI™ Technology / 3-way AMD® CrossFire™ Technology
<b>Memory Support</b>	4 DIMMs, Dual Channel DDR4-4800MHz(OC)
<b>Expansion Slots</b>	2 x PCI-E 3.0 x1 slots
<b>Storage</b>	3 x Turbo M.2 32Gb/s slots, supports Intel® Optane™ technology 6x SATA 6Gb/s
<b>USB ports</b>	1 x USB 3.2 Gen 2x2 20Gbps (Type-C) + 4 x USB 3.2 Gen 2 10Gbps (3 Type-A + 1 Type-C) + 4 x USB 3.2 Gen 1 5Gbps (Type-A) + 6 x USB 2.0
<b>LAN</b>	Realtek® 8125B 2.5G LAN
<b>WiFi / BT</b>	Intel® Wi-Fi 6 AX201, Bluetooth 5.1
<b>Audio</b>	8-Channel(7.1) HD Audio with Audio Boost HD
<b>Form Factor</b>	ATX

## CONNECTIONS



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

## FEATURES



### Extreme Power Design

ISL digital PWM, 16+1 phases with 90A SPS and dual CPU power connectors to unleash your true power.



### M.2 SHIELD FROZR

Onboard M.2 thermal solution to keep M.2 SSDs safe while preventing throttling, making them run cooler & faster.



### WIFI 6

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



### Triple Turbo M.2

Running at PCI-E Gen3 x4 maximizes performance for NVMe based SSDs.



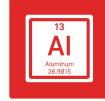
### Outstanding Cooling Solution

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



### Frozr Heatsink Design

Designed with double ball bearings to provide best performance for enthusiast gamers and prosumers.



### Aluminum Cover

Fully aluminum IO cover provide the maximum surface of heat dissipation, ready for breaking the world record!



### 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.



### Smart Button

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