PLACAS BASE

MEG Z490I UNIFY

PURE BLACK, PURE PERFORMANCE



SPECIFICATIONS

Model Name	MEG Z490I UNIFY
CPU Support	Supports 10th Gen Intel® Core™ and Pentium® Gold / Celeron® processors
CPU Socket	LGA 1200
Chipset	Intel® Z490 Chipset
Graphics Interface	1x PCI-E 3.0 x16 slot
Display Interface	Thunderbolt™ 3 (Type-C), DisplayPort port 1.4, HDMI™ – Requires Processor Graphics
Memory Support	2 DIMMs, Dual Channel DDR4-5000MHz(OC)
Storage	2 x Turbo M.2 32Gb/s slots, supports Intel® Optane™ technology 4x SATA 6Gb/s
USB ports	3 x USB 3.2 Gen 2 10Gbps (1 Type-A + 2 Type-C) + 4 x USB 3.2 Gen 1 5Gbps (Type-A) + 4 x USB 2.0
LAN	Realtek® 8125B 2.5G LAN
WiFi / BT	Intel® Wi-Fi 6 AX201, Bluetooth 5.1
Audio	8-Channel(7.1) HD Audio with Audio Boost 4
Form Factor	Mini-ITX

FEATURES

Thunderbolt 3 Port

Thunderbolt™ 3 brings Thunderbolt to USB-C at speeds up to 40 Gb/s, creating one compact port that does it all.

Aluminum Cover

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

Extreme Power Design

ISL Digital PWM, Direct 8 Phases with 90A SPS and dual CPU power connectors unleash your true power.

WIFI 6

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

Pre-installed I/O Shielding

Better EMI protection and more convenience for installation

Twin Turbo M.2

With 2 x M.2 slots. Running at PCI-E Gen3 x4 maximizes performance for NVMe based SSDs.

Extreme Power Design

ISL Digital PWM, Direct 8 Phases with 90A SPS and dual CPU power connectors unleash your true power.

Direct 8 Phases with 90A SPS

INTERSIL digital PWM, direct 8 phases with 90A Smart Power Stage, Titanium Choke III and Core Boost to unleash the maximum performance.

Frozr Heatsink Design

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

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.

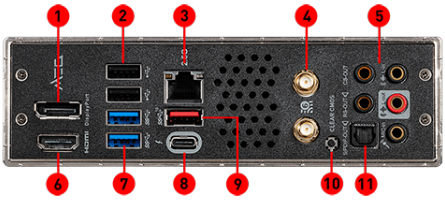
Outstanding Cooling Solution

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.

2.5G LAN

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

CONNECTIONS



1. DisplayPort
2. USB 2.0
3. 2.5G LAN
4. Wi-Fi /Bluetooth Antenna Connectors
5. HD Audio Connectors
6. HDMI™ Port
7. USB 3.2 Gen1 5Gbps (Type-A)
8. Thunderbolt 3 (40Gbps)
9. USB 3.2 Gen2 10Gbps (Type-A)
10. Clear CMOS Button
11. Optical S/PDIF-Out

Generated 2023-03-31, check for the latest version www.msi.com/datasheet. The information provided in this document is intended for informational purposes only and is subject to change without notice.

© 2023 Micro-Star Int'l Co.Ltd. MSI is a registered trademark of Micro-Star Int'l Co.Ltd. All rights reserved.