SCHEDE MADRI

MEG Z490 UNIFY

PURE BLACK, PURE PERFORMANCE



SPECIFICATIONS

Model Name	MEG Z490 UNIFY	
CPU Support	Supports 10th Gen Intel® Core™ and Pentium® Gold / Celeron® processors	
CPU Socket	LGA 1200	
Chipset	Intel® Z490 Chipset	
Graphics Interface	3 x PCI-E 3.0 x16 slots Support 2-way NVIDIA® SLI™ Technology / 3-way AMD® CrossFire™ Technology	
Memory Support	4 DIMMs, Dual Channel DDR4-4800MHz(OC)	
Expansion Slots	2 x PCI-E 3.0 x1 slots	
	Storage	3 x Turbo M.2 32Gb/s slots, supports Intel® Optane™ technology 6x SATA 6Gb/s
	USB ports	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
	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 HD
	Form Factor	ATX

FEATURES

Extreme Power Design

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

Aluminum Cover

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

M.2 SHIELD FROZR

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

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

SCHEDE MADRI

MEG Z490 UNIFY

PURE BLACK, PURE PERFORMANCE

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.

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.

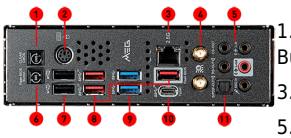
Lightning USB 20G

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

Smart Button

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

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

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

SCHEDE MADRI

MEG Z490 UNIFY

PURE BLACK, PURE PERFORMANCE

Generated 2023-08-04, 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.