



## FEATURES



### Aluminum Cover

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



### WiFi 6

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



### M.2 SHIELD FROZR

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



### Pre-installed I/O Shielding

Better EMI protection and more convenience for installation



### EZ LED Control

One button to control LED on/off easily



### 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.



### Core Boost

With premium layout and fully digital power design to support more cores and provide better 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.



### 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.



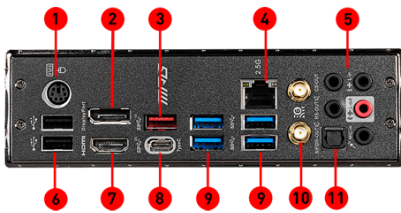
### DDR4 Boost

Advanced technology to deliver pure data signals for the best gaming performance and stability.

## SPECIFICATIONS

<b>Model Name</b>	MPG Z490 GAMING EDGE WIFI
<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</b>	2x PCI-E 3.0 x16 slots
<b>Interface</b>	Support 2-Way AMD® CrossFire™ Technology
<b>Display Interface</b>	DisplayPort, HDMI™ - Requires Processor Graphics
<b>Memory Support</b>	4 DIMMs, Dual Channel DDR4-4800(OC)
<b>Expansion Slots</b>	2x PCIe 3.0 x1 slots
<b>Storage</b>	2x M.2 slots, support Intel® Optane™ Technology 6x SATA 6Gb/s
<b>USB ports</b>	1 x USB 3.2 Gen 2x2 20Gbps (Type-C) + 1 x USB 3.2 Gen 2 10Gbps (Type-A) + 7 x USB 3.2 Gen 1 5Gbps (6 Type-A + 1 Type-C) + 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 4
<b>Form Factor</b>	ATX

## CONNECTIONS



- |                                  |                                    |
|----------------------------------|------------------------------------|
| 1. PS/2 Combo Port               | 2. DisplayPort                     |
| 3. USB 3.2 Gen 2 10Gbps (Type-A) | 4. 2.5G LAN                        |
| 5. HD Audio Connectors           | 6. USB 2.0                         |
| 7. HDMI™                         | 8. USB 3.2 Gen 2x2 20Gbps (Type-C) |
| 9. USB 3.2 Gen 1 5Gbps (Type A)  | 10. Wi-Fi / Bluetooth              |
| 11. Optical S/PDIF OUT           |                                    |