



## SPECIFICATIONS

|                           |   |
|---------------------------|---|
| <b>Model Name</b>         | MPG Z490 GAMING PLUS  |
| <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> | 2x PCI-E 3.0 x16 slots<br>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>    | 3x PCIe 3.0 x1 slots  |
| <b>Storage</b>            | 2x M.2 slots, support Intel® Optane™ Technology<br>6x SATA 6Gb/s  |
| <b>USB ports</b>          | 2x USB 3.2 Gen 2 10Gbps (1 Type-C + 1 Type-A) + 7x USB 3.2 Gen 1 5Gbps (1 Type-C + 6 Type-A) + 6x USB 2.0 |
| <b>LAN</b>                | Realtek® 8125B 2.5G LAN   |
| <b>Audio</b>              | 8-Channel(7.1) HD Audio with Audio Boost  |
| <b>Form Factor</b>        | ATX   |

## FEATURES



### 2.5G Network Solution

Featuring premium 2.5G LAN with LAN manager delivers better network experience.



### Extended Heatsink Design

MSI extended PWM heatsink and enhanced circuit design ensures even high-end processors to run in full speed.



### Twin Turbo M.2

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



### Core Boost

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



### DDR4 Boost

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



### 8+4 Pin power supply

By providing 8+4 pin connectors to ensure adequate power supply to unleash ultimate multi-core CPU performance.



### 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

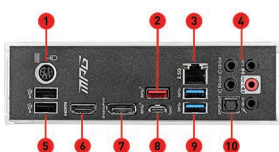
Better EMI protection and more convenience for installation



### EZ LED Control

EZ LED Control

## SPECIFICATION



1. PS/2 Combo Port
2. USB 3.2 Gen 2 10Gbps (Type-A)
3. LAN Port
4. HD Audio Connectors
5. USB 2.0 Ports
6. HDMI Port
7. DisplayPort
8. USB 3.2 Gen 2 10Gbps (Type-C)
9. USB 3.2 Gen 1 5Gbps (Type-A)
10. Optical S/PDIF OUT