



# msi

MOTHERBOARDS

## MPG Z590M GAMING EDGE WIFI

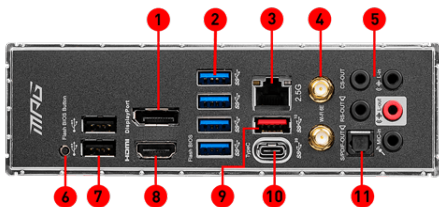
GAME IN STYLE



### SPECIFICATIONS

Model Name	MPG Z590M GAMING EDGE WIFI
CPU Support	Supports 10 <sup>th</sup> Gen Intel® Core™ Processors, 11 <sup>th</sup> Gen Intel® Core™ Processors, Pentium® Gold and Celeron® processors
CPU Socket	LGA 1200
Chipset	Intel® Z590 Chipset
Graphics Interface	1x PCIe 4.0 x16 slot, 1x PCIe 3.0 x16 slot Support 2-way AMD® CrossFire™ Technology
Display Interface	Support 4K@60Hz as specified in HDMI 2.0b, DisplayPort 1.4 – Requires Processor Graphics
Memory Support	4 DIMMs, Dual Channel DDR4-5333(OC)
Expansion Slots	1x PCIe 3.0 x1 slot
Storage	1x M.2 Gen4 x4 64Gb/s slot, 1x M.2 Gen3 x4 32Gb/s slots, supports Intel® Optane™ Technology 6x SATA 6Gb/s
USB ports	1 x USB 3.2 Gen 2x2 20Gbps (1 Type-C), 2 x USB 3.2 Gen 2 10Gbps (1 Type-A + 1 Type-C), 6x USB 3.2 Gen 1 5Gbps (6 Type-A), , 6 x USB 2.0
LAN	Intel® i225-V 2.5G LAN
Wireless / Bluetooth	Intel® Wi-Fi 6E AX210, Bluetooth 5.2
Audio	8-Channel(7.1) HD Audio with Audio Boost 5

### CONNECTIONS



1. DisplayPort
2. USB 3.2 Gen 1 5Gbps Type-A
3. 2.5G LAN
4. Wi-Fi/Bluetooth
5. Audio Connectors
6. Flash BIOS Button
7. USB 2.0
8. HDMI
9. USB 3.2 Gen 2 10Gbps Type-A
10. USB 3.2 Gen 2x2 20Gbps Type-C
11. Optical S/PDIF Out

### FEATURES



#### Premium Thermal Design

Heavy plated mosfet heatsink with heat-pipe / high quality 7W/mK MOSFET thermal pads / extra choke thermal pads / 2x onboard M.2 Shield Frozr



#### Lightning Gen4 Solution

The latest Gen4 PCI-E solution with up to 64Gb/s bandwidth for maximum transfer speed.



#### DDR4 Boost

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



#### Mystic Light RGB LED

Personalize your PC with 16.8 million colors / 29 effects, controlled in one click!



#### 2.5G Network Solution

Featuring premium 2.5G LAN with LAN manager to deliver better network experience.



#### Lightning USB 20G

Powered by ASMedia ASM3242 USB 3.2 Gen2x2 controller, offers the fastest USB speeds with stability.



#### Wi-Fi 6E

The latest wireless solution supports 6GHz spectrum, MU-MIMO and BSS color technology, delivering speeds up to 2400Mbps.



#### Core Boost

Combining dual 8 pin power connectors and IR digital power design, the GODLIKE is ready for more cores also provide better performance.



#### Audio Boost 5

Isolated audio with a high quality audio processor & amp for the most immersive gaming experience



#### 2oz Thickened Copper PCB

An enhanced PCB design improves heat dissipation and performance reliability.