MOTHERBOARDS

MPG Z590 GAMING FORCE

GAME IN STYLE



SPECIFICATIONS

Model Name	MPG Z590 GAMING FORCE
CPU Support	Supports 10th Gen Intel® Core™ Processors, 11th Gen Intel® Core™ Processors, Pentium® Gold and Celeron® Processors
CPU Socket	LGA 1200
Chipset	Intel® Z590 Chipset
Graphics Interface	2x PCIe 4.0 x16 slots, 1x PCIe 3.0 x16 slot Support 3-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	2x PCIe 3.0 x1 slots
Storage	1x M.2 Gen4 x4 64Gb/s slot, 2x M.2 Gen3 x4 32Gb/s slots, Support Intel® Optane™ Technology, 6x SATA 6Gb/s ports
USB ports	1x USB 3.2 Gen 2x2 20Gbps (1 Type-C) 4x USB 3.2 Gen 2 10Gbps (3 Type-A + 1 Type-C) 4x USB 3.2 Gen 1 5Gbps (4 Type-A) 8x USB 2.0
LAN	Intel® I225-V 2.5G LAN
Audio	8-Channel (7.1) HD Audio with Audio Boost 5

FEATURES

Lightning Gen4 Solution

The latest Gen4 PCI-E and M.2 solution with up to 64GB/s bandwidth for maximum transfer speed.

Premium Thermal Design

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

Lightning Gen4 Solution

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

10 Layer PCB with 2oz Thickened Copper

An Enhanced PCB design provides higher performance and long-lasting system stability without any compromise.

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

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 to deliver better network experience.

Lightning USB 20G

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

Core Boost

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

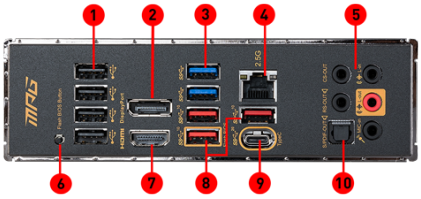
Audio Boost 5

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

2oz Thickened Copper PCB

An enhanced PCB design improves heat dissipation and performance reliability.

CONNECTIONS



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

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