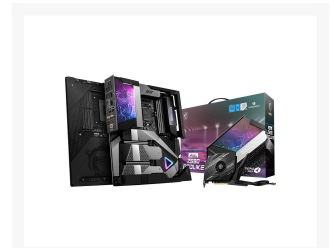




# MSI MEG Z590 GODLIKE Gaming Motherboard (E-ATX, 11th/10th Gen Intel Core, LGA 1200 Socket)

\$999.99

## Product Images





## Short Description

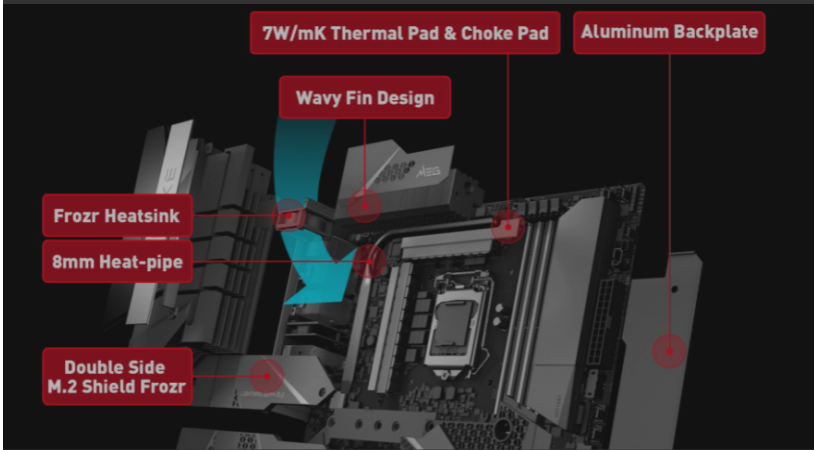
# MPG Z590 GAMING PLUS

## Smart Design, Smart Features

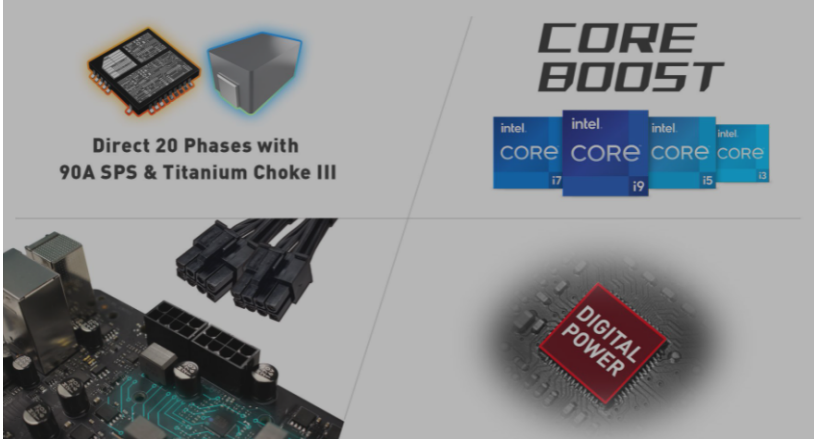
For PC connoisseurs looking to upgrade their game while keeping economy in mind, the MSI MPG Z590 GAMING PLUS offers a powerful yet versatile platform supporting a broad spectrum of the state-of-the-art system processors and gaming hardware without any Wi-Fi deadweight.

## Description

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**THERMAL SOLUTION FOR MORE CORES AND HIGHER PERFORMANCE**  
 MEG Z590 GODLIKE features Wavy fin design, 8mm heatpipe, 7W/mK thermal pads, Frozr Heatsink and Aluminum Backplate to ensure the extreme performance with low temp.








**DIRECT 20+1 PHASES WITH 90A SMART POWER STAGE**  
 MEG Z590 GODLIKE features INTERSIL digital PWM, direct 20 phases with 90A Smart Power Stage, Titanium Choke III, and dual CPU power connectors to unleash and sustain maximum processor performance.





OUTSTANDING COOLING SOLUTION



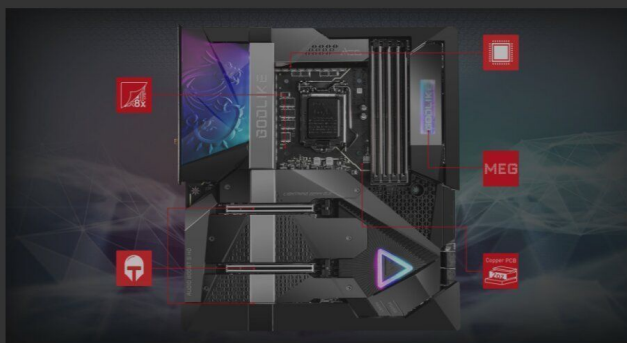
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**Frozr Heatsink Design with Zero Frozr Technology**  
 An active cooling design is ready to spin up when the VOM is loaded with power.
- 
**Double Side M.2 Shield Frozr**  
 Sustain maximum high-speed M.2 SSD data transfer with M.2 SHIELD FROZR and prevent SSD thermal throttling with a double-sided sandwiching thermal design.
- 
**Wavy Fin Design with 7W/mK Thermal Pad**  
 Large heatsink over the VOM for superior heat dissipation.
- 
**8mm Heat-pipe Design**  
 Connects the two MOS heatsinks to enlarge the heat dissipation surface.
- 
**Aluminum Backplate**  
 A rigid aluminum backplate cools down the Mosfet with a dedicated thermal pad.






UNLIMITED CONNECTIVITY



- 
**Dual Thunderbolt 4 ports**  
 Connect Thunderbolt devices and displays via USB Type-C and transfer at speeds up to 40 Gb/s.
- 
**Wi-Fi 6E Solution**  
 Featuring the latest wireless solution, delivering speeds up to 2400Mbps on the 6GHz spectrum and supports MU-MIMO and BSS color technology.
- 
**M.2 XPANDER-Z GEN4 S**  
 Add two extra M.2 slots for ultra-fast SSDs and sustain maximum transfer speeds with the smart fan cooling design.
- 
**10G Super LAN + 2.5G LAN**  
 Crush enemies on the battlefield with MSI LAN Manager. Onboard 10G Super LAN and 2.5G LAN deliver the best online experience without lag.
- 
**Quaduple M.2 Connectors**  
 Four onboard M.2 connectors for high-speed storage performance.

STABLE CORNERSTONE OF YOUR SYSTEM



- 
**8-Layer PCB Design**  
 Multilayer printed circuit board design improves signal transmission for extreme performance capabilities across the motherboard.
- 
**PCIe Steel Armor**  
 Reinforced and shielded PCIe slots for strength and stability.
- 
**Direct 20 Phases with 90A Smart Power Stage**  
 High quality components with direct digital power, 90A SPS and titanium choke III lets the system runs smoothly under extreme conditions.
- 
**Dynamic Dashboard II**  
 A dynamic OLED screen panel can display the status of the GODLIKE motherboard and more.
- 
**2oz Thickened Copper**  
 An enhanced PCB material design improves heat dissipation and high-performance capabilities.



# Specifications

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Model

**Brand** MSI

**Model** MEG Z590 GODLIKE

Supported CPU

**CPU Socket Type** LGA 1200

**CPU Type** Supports 11th Gen Intel Core Processors  
Supports 10th Gen Intel Core Processors  
Supports Pentium Gold and Celeron Processors

Chipsets

**Chipset** Intel Z590

Memory

**Number of Memory Slots** 4×288pin

**Memory Standard** DDR4 5600(OC)

**Maximum Memory Supported** 128GB

**Channel Supported** Dual Channel

Expansion Slots

**PCI Express 4.0 x16** 2 x PCI Express 4.0 x16

**PCI Express 3.0 x16** 1 x PCI Express 3.0 x16

Storage Devices

**SATA 6Gb/s** 6 x SATA 6Gb/s

**M.2** 1 x M.2 Gen4 x4 64Gb/s slot  
3 x M.2 Gen3 x4 32Gb/s slots

**Intel Optane Ready** Yes

Onboard Audio

**Audio Channels** 7.1 Channels

Onboard LAN

**LAN Chipset** AQUANTIA AQC107

**Second LAN Chipset** Intel I225-V  
**Max LAN Speed** 10Gbps + 10/100/1000/2500Mbps  
**Wireless LAN** Intel Wi-Fi 6E AX210  
**Bluetooth** Bluetooth 5.2

#### Rear Panel Ports

**Back I/O Ports** 1 x Clear CMOS Button  
1 x Flash BIOS Button  
1 x Optical S/PDIF-Out  
5 x HD Audio Connectors  
2 x Mini DisplayPort Input (for Thunderbolt passthrough)  
2 x Thunderbolt 4 40Gbps (Type-C)  
6 x USB 3.2 Gen1 5Gbps (Type-A)  
2 x USB 3.2 Gen2 10Gbps (Type-A)  
1 x 10G Super LAN  
1 x 2.5G LAN  
Wi-Fi / Bluetooth Connectors

#### Physical Spec

**Form Factor** Extended ATX

## Additional Information

Brand	MSI
SKU	MSI-Z590GODLIKE
Weight	10.5000
Color	Black
Processor Manufacturer	Intel
Vendor SKU/EAN	824142243114



