FEATURES

Extended Heatsink Design

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

DDR4 Boost

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

2.5G Network Solution

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

8+4 Pin power supply

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

Core Boost

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

EZ Debug LED

Easiest way to troubleshoot.

Frozr AI Cooling

Detect CPU & GPU temperatures and automatically adjust system fan duty to a proper value.
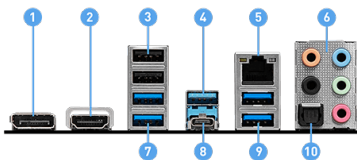
SPECIFICATIONS

Model Name	Z590 PLUS
CPU Support	Supports 10th Gen Intel® Core™ Processors, 11th Gen Intel® Core™ Processors, Pentium® Gold and Celeron® Processors
CPU Socket	LGA 1200 socket
Chipset	Intel® Z590 Chipset
Graphics Interface	1x PCIe 4.0 x16 slot 1x PCIe 3.0 x16 slot
Display Interface	Support 4K@30Hz as specified in HDMI 1.4, DisplayPort 1.4, VGA – Requires Processor Graphics
Memory Support	4 DIMMs, Dual Channel DDR4-5333MHz(OC)
Expansion Slots	3x PCIe 3.0 x1 slots 1x M.2 slot with E-key for WiFi module only
Storage	1x M.2 Gen4 x4 slot 1x M.2 Gen3 x4 slot 4x SATA 6Gb/s ports
USB ports	1x USB 3.2 Gen 2x2 20Gbps (Type-C) 9x USB 3.2 Gen 1 5Gbps(9 Type-A) 6x USB 2.0
LAN	Intel® KTI225V 2.5G LAN
Audio	8-Channel (7.1) HD Audio with Audio Boost

CONNECTIONS

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