



SPECIFICATION

DDR4 Memory	4800(OC)/ 4600(OC)/ 4533(OC)/ 4400(OC)/ 4300(OC)/ 4266(OC)/ 4200(OC)/ 4133(OC)/ 4000(OC)/ 3866(OC)/ 3733(OC)/ 3600(OC)/ 3466(OC)/ 3400(OC)/ 3333(OC)/ 3300(OC)/ 3200(OC)/ 3000(OC) /2933(JEDEC)/ 2666(JEDEC)/ 2400(JEDEC)/ 2133(JEDEC) MHz
CPU (Max Support)	i9
M.2 port	2
Chipset	Intel® Z490 Chipset
USB 3.1 ports(Front)	
Memory Channel	Dual
USB 3.2 ports (Front)	1(Gen 1, Type C), 4(Gen 1, Type A)
DIMM Slots	4
USB 3.2 ports (Rear)	1(Gen 2, Type C), 1(Gen 2, Type A), 2(Gen 1, Type A)
Max Memory (GB)	128
PCI-Ex16	2
USB 3.1 ports (Rear)	
PCI-E Gen	Gen3
Serial ports(Front)	1
PCI-Ex1	3
SATAIII	6
USB 2.0 ports (Front)	4
RAID	0/1/5/10
LAN	1x Realtek® RTL8125B 2.5G LAN
TPM	1
USB 2.0 ports (Rear)	2
Audio ports (Rear)	6 HD audio connectors
Display Port	1
HDMI	1
DirectX	12
Form Factor	ATX
CrossFire	Y
Operating System	Support for Windows® 10 64-bit

FEATURE



Extended Heatsink Design

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



M.2 SHIELD FROZR

Onboard M.2 thermal solution to keep M.2 SSDs safe while preventing throttling, making them run cooler & faster.



2.5G Network Solution

Featuring premium 2.5G LAN with LAN manager delivers 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.



DDR4 Boost

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



EZ Debug LED

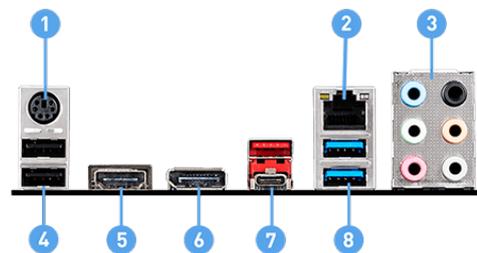
Easiest way to troubleshoot.



Audio Boost

Reward your ears with studio grade sound quality for the most immersive audio experience.

CONNECTIONS



- | | |
|---------------------|---|
| 1. Keyboard / Mouse | 5. HDMI |
| 2. 2.5G LAN | 6. DisplayPort |
| 3. Audio Connectors | 7. USB 3.2 Gen 2 10Gbps Type-A + Type-C |
| 4. USB 2.0 | 8. USB 3.2 Gen 1 5Gbps Type-A |