

LAUNCHING TO NEW HEIGHTS

INTEL 500 SERIES MOTHERBOARDS

EXCEPTIONAL POWER DESIGN | PREMIUM THERMAL DESIGN | LATEST CONNECTIVITY

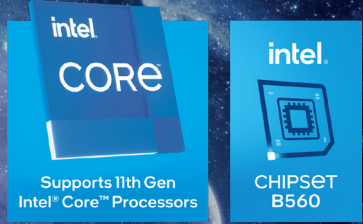


MSI Z590 TOMAHAWK WIFI

MSI Z590 GODLIKE

MSI Z590 GAMING CARBON WIFI

Model Name	MPG B560I GAMING EDGE WIFI
CPU Support	Supports 10th Gen Intel® Core™ Processors, 11th Gen Intel® Core™ Processors, Pentium® Gold and Celeron® Processors
Chipset	Intel® B560 Chipset
CPU Socket	LGA1200
Graphics Interface	1x PCIe 4.0 x16 slot
Display Interface	1x DisplayPort 1.4 1x HDMI 2.0b – Requires Processor Graphics
Memory Support	2 DIMMs, Dual Channel DDR4-5200(OC)
Expansion Slots	-
Storage	1x M.2 Gen4 x4 slot 1x M.2 Gen3 x4 slot 4x SATA 6Gb/s ports
USB 3.2 Gen 2x2 20Gbps	-
USB 3.2 Gen 2 10Gbps	2x USB3.2 Gen2 10G (1A+1C)
USB 3.2 Gen 1 5Gbps	3x USB 3.2 Gen 1 5G (2A+1C)
USB 2.0	6x USB 2.0
LAN	1x Realtek® 8125B 2.5G LAN
Wi-Fi	Intel® Wi-Fi 6E AX210
Audio	ALC897
Form Factor	mini-ITX
Audio	
Audio Feature	Audio Boost
Audio Technology	Sound Tune
Cooling	
VRM Cooling	Extended Heatsink
M.2 Shield Frozr	●
Pump Fan	●
Frozr AI Cooling	●
Performance	
Core Boost / DDR4 Boost	● / ●
OC Engine	
Lightning USB 20G	
Front USB Type-C	USB 3.2 Gen 1
Dual CPU Power	
2oz Copper thickened PCB	●
Protection	
PCI-E Steel Armor	●
Pre-installed I/O Shield	●
Experience	
Mystic Light	
Mystic Light Extension	RGB / Rainbow
Mystic Light SYNC / Ambient Link	● / ●
MSI Center	●
CPU Cooler Tuning	●
Flash BIOS Button	
EZ DEBUG LED	●



LAUNCHING TO NEW HEIGHTS

INTEL 500 SERIES MOTHERBOARDS

EXCEPTIONAL POWER DESIGN | PREMIUM THERMAL DESIGN | LATEST CONNECTIVITY



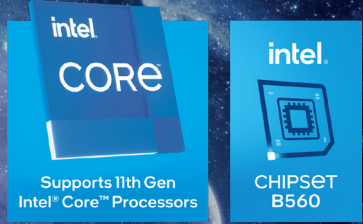
MAG Z590 TOMAHAWK WIFI

MEG Z590 GODLIKE

MPS Z590 GAMING CARBON WIFI



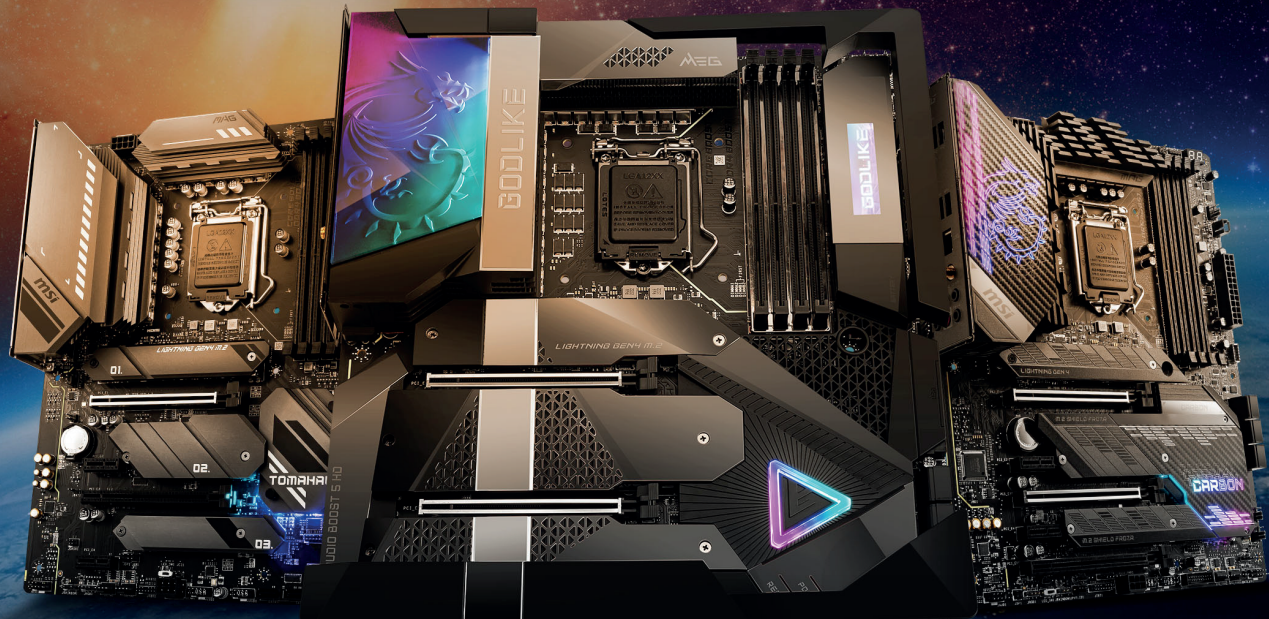
Model Name	MAG B560 TOMAHAWK WIFI	MAG B560 TORPEDO	MAG B560M MORTAR	MAG B560M MORTAR WIFI	MAG B560M BAZOOKA
CPU Support	Supports 10th Gen Intel® Core™ Processors, 11th Gen Intel® Core™ Processors, Pentium® Gold and Celeron® Processors	Supports 10th Gen Intel® Core™ Processors, 11th Gen Intel® Core™ Processors, Pentium® Gold and Celeron® Processors	Supports 10th Gen Intel® Core™ Processors, 11th Gen Intel® Core™ Processors, Pentium® Gold and Celeron® Processors	Supports 10th Gen Intel® Core™ Processors, 11th Gen Intel® Core™ Processors, Pentium® Gold and Celeron® Processors	Supports 10th Gen Intel® Core™ Processors, 11th Gen Intel® Core™ Processors, Pentium® Gold and Celeron® Processors
Chipset	Intel® B560 Chipset	Intel® B560 Chipset	Intel® B560 Chipset	Intel® B560 Chipset	Intel® B560 Chipset
CPU Socket	LGA1200	LGA1200	LGA1200	LGA1200	LGA1200
Graphics Interface	1x PCIe 4.0 x16 slot 1x PCIe 3.0 x16 slot Support CF Technology	1x PCIe 4.0 x16 slot 1x PCIe 3.0 x16 slot Support CF Technology	1x PCIe 4.0 x16 slot 1x PCIe 3.0 x16 slot Support CF Technology	1x PCIe 4.0 x16 slot 1x PCIe 3.0 x16 slot Support CF Technology	1x PCIe 4.0 x16 slot
Display Interface	1x DisplayPort 1.4 1x HDMI 2.0b – Requires Processor Graphics	1x DisplayPort 1.4 1x HDMI 2.0b – Requires Processor Graphics	1x DisplayPort 1.4 1x HDMI 2.0b – Requires Processor Graphics	1x DisplayPort 1.4 1x HDMI 2.0b – Requires Processor Graphics	1x DisplayPort 1.4 1x HDMI 2.0b – Requires Processor Graphics
Memory Support	4 DIMMs, Dual Channel DDR4-5066 (OC)	4 DIMMs, Dual Channel DDR4-5066 (OC)	4 DIMMs, Dual Channel DDR4-5066 (OC)	4 DIMMs, Dual Channel DDR4-5066 (OC)	4 DIMMs, Dual Channel DDR4-5066 (OC)
Expansion Slots	1x PCIe 3.0 x1 slot	1x PCIe 3.0 x1 slot	1x PCIe 3.0 x1 slot	1x PCIe 3.0 x1 slot	2x PCIe 3.0 x1 slots
Storage	1x M.2 Gen4 x4 slot 2x M.2 Gen3 x4 slots 6x SATA 6Gb/s ports	1x M.2 Gen4 x4 slot 2x M.2 Gen3 x4 slots 6x SATA 6Gb/s ports	1x M.2 Gen4 x4 slot 1x M.2 Gen3 x4 slot 6x SATA 6Gb/s ports	1x M.2 Gen4 x4 slot 1x M.2 Gen3 x4 slot 6x SATA 6Gb/s ports	1x M.2 Gen4 x4 slot 1x M.2 Gen3 x4 slot 6x SATA 6Gb/s ports
USB 3.2 Gen 2x2 20Gbps	1x USB3.2 Gen 2x2 20G (1C)	1x USB3.2 Gen 2x2 20G (1C)	1x USB3.2 Gen 2x2 20G (1C)	1x USB3.2 Gen 2x2 20G (1C)	-
USB 3.2 Gen 2 10Gbps	1x USB 3.2 Gen 2 10G (1C)	1x USB 3.2 Gen 2 10G (1C)	1x USB3.2 Gen 2 10G (1C)	1x USB3.2 Gen 2 10G (1C)	2x USB3.2 Gen 2 10G (2A)
USB 3.2 Gen 1 5Gbps	6x USB 3.2 Gen 1 5G (4A)	6x USB 3.2 Gen 1 5G (4A)	5x USB3.2 Gen 1 5G (5A)	5x USB3.2 Gen 1 5G (5A)	4x USB3.2 Gen 1 5G (4A)
USB 2.0	8x USB 2.0	8x USB 2.0	8x USB 2.0	8x USB 2.0	6x USB 2.0
LAN	1x Realtek® 8125B 2.5G LAN	1x Realtek® 8125B 2.5G LAN 1x Intel® I219-V 1G LAN	1x Realtek® 8125B 2.5G LAN	1x Realtek® 8125B 2.5G LAN	1x Realtek® 8125B 2.5G LAN
Wi-Fi	Intel® Wi-Fi 6E AX210	-	-	Intel® Wi-Fi 6E AX210	-
Audio	ALC897	ALC897	ALC897	ALC897	ALC897
Form Factor	ATX	ATX	mATX	mATX	mATX
Audio					
Audio Feature	Audio Boost	Audio Boost	Audio Boost	Audio Boost	Audio Boost
Audio Technology	Sound Tune	Sound Tune	Sound Tune	Sound Tune	Sound Tune
Cooling					
VRM Cooling	Extended Heatsink	Extended Heatsink	Extended Heatsink	Extended Heatsink	Extended Heatsink
M.2 Shield Frozr	•	•	•	•	•
Pump Fan	•	•	•	•	•
Frozr AI Cooling	•	•	•	•	•
Performance					
Core Boost / DDR4 Boost	•/•	•/•	•/•	•/•	•/•
OC Engine	•	•			
Lightning USB 20G	•	•	•	•	
Front USB Type-C	USB 3.2 Gen 2	USB 3.2 Gen 2	USB 3.2 Gen 2	USB 3.2 Gen 2	
Dual CPU Power	8 pin + 4 pin	8 pin + 4 pin	8 pin + 4 pin	8 pin + 4 pin	
2oz Copper thickened PCB	•	•	•	•	•
Protection					
PCI-E Steel Armor	•	•	•	•	•
Pre-installed I/O Shield	•	•	•	•	
Experience					
Mystic Light	•	•			
Mystic Light Extension	RGB / Rainbow	RGB / Rainbow	RGB / Rainbow	RGB / Rainbow	RGB / Rainbow
Mystic Light SYNC / Ambient Link	•/•	•/-	•/-	•/•	•/-
MSI Center	•	•	•	•	•
CPU Cooler Tuning	•	•	•	•	•
Flash BIOS Button					
EZ DEBUG LED	•	•	•	•	•



LAUNCHING TO NEW HEIGHTS

INTEL 500 SERIES MOTHERBOARDS

EXCEPTIONAL POWER DESIGN | PREMIUM THERMAL DESIGN | LATEST CONNECTIVITY

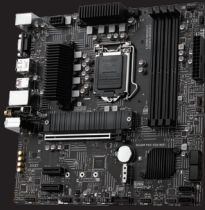


MSI Z590 TOMAHAWK WIFI

MSI Z590 GAMING CARBON WIFI

MSI Z590 GODLIKE

msi



Model Name	B560M PRO-VDH WIFI	B560M PRO-VDH	B560M PRO	B560M-A PRO	B560M PRO WIFI	B560M PRO-E
CPU Support	Supports 10th Gen Intel® Core™ Processors, 11th Gen Intel® Core™ Processors, Pentium® Gold and Celeron® Processors	Supports 10th Gen Intel® Core™ Processors, 11th Gen Intel® Core™ Processors, Pentium® Gold and Celeron® Processors	Supports 10th Gen Intel® Core™ Processors, 11th Gen Intel® Core™ Processors, Pentium® Gold and Celeron® Processors	Supports 10th Gen Intel® Core™ Processors, 11th Gen Intel® Core™ Processors, Pentium® Gold and Celeron® Processors	Supports 10th Gen Intel® Core™ Processors, 11th Gen Intel® Core™ Processors, Pentium® Gold and Celeron® Processors	Supports 10th Gen Intel® Core™ Processors, 11th Gen Intel® Core™ Processors, Pentium® Gold and Celeron® Processors
Chipset	Intel® B560 Chipset	Intel® B560 Chipset	Intel® B560 Chipset	Intel® B560 Chipset	Intel® B560 Chipset	Intel® B560 Chipset
CPU Socket	LGA1200	LGA1200	LGA1200	LGA1200	LGA1200	LGA1200
Graphics Interface	1x PCIe 4.0 x16 slot	1x PCIe 4.0 x16 slot	1x PCIe 4.0 x16 slot	1x PCIe 4.0 x16 slot	1x PCIe 4.0 x16 slot	1x PCIe 4.0 x16 slot
Display Interface	1x DisplayPort 1.4, 1x HDMI 2.0b, 1x VGA Port – Requires Processor Graphics	1x DisplayPort 1.4, 1x HDMI 2.0b, 1x VGA Port – Requires Processor Graphics	1x DisplayPort 1.4, 1x HDMI 2.0b, 1x VGA Port – Requires Processor Graphics	1x DisplayPort 1.4, 1x HDMI 2.0b, 1x VGA Port – Requires Processor Graphics	1x DisplayPort 1.4, 1x HDMI 2.0b, 1x VGA Port – Requires Processor Graphics	1x HDMI 2.0b 1x VGA Port – Requires Processor Graphics
Memory Support	4 DIMMs, Dual Channel DDR4-5066 (OC)	4 DIMMs, Dual Channel DDR4-5066 (OC)	4 DIMMs, Dual Channel DDR4-5200 (OC)	2 DIMMs, Dual Channel DDR4-5200(OC)	2 DIMMs, Dual Channel DDR4-5200(OC)	2 DIMMs, Dual Channel DDR4-4800(OC)
Expansion Slots	2x PCIe 3.0 x1 slots	2x PCIe 3.0 x1 slots	2x PCIe 3.0 x1 slots	2x PCIe 3.0 x1 slots	2x PCIe 3.0 x1 slots	1x PCIe 3.0 x1 slot
Storage	1x M.2 Gen4 x4 slot 1x M.2 Gen3 x4 slot 6x SATA 6Gb/s ports	1x M.2 Gen4 x4 slot 1x M.2 Gen3 x4 slot 6x SATA 6Gb/s ports	1x M.2 Gen4 x4 slot 6x SATA 6Gb/s ports	1x M.2 Gen4 x4 slot 6x SATA 6Gb/s ports	1x M.2 Gen4 x4 slot 6x SATA 6Gb/s ports	1x M.2 Gen3 x4 slot 4x SATA 6Gb/s ports
USB 3.2 Gen 2x2 20Gbps	-	-	-	-	-	-
USB 3.2 Gen 2 10Gbps	2x USB3.2 Gen 2 10G (2A)	2x USB3.2 Gen 2 10G (2A)	-	-	-	-
USB 3.2 Gen 1 5Gbps	4x USB3.2 Gen 1 5G (4A)	4x USB3.2 Gen 1 5G (4A)	6x USB 3.2 Gen 1 5G (6A)	6x USB 3.2 Gen 1 5G (6A)	6x USB 3.2 Gen 1 5G (6A)	4x USB 3.2 Gen 1 5G (4A)
USB 2.0	6x USB 2.0	6x USB 2.0	6x USB 2.0	6x USB 2.0	6x USB 2.0	6x USB 2.0
LAN	1x Realtek® 8125B 2.5G LAN	1x Realtek® 8125B 2.5G LAN	1x Realtek® 8125B 2.5G LAN	1x Realtek® 8125B 2.5G LAN	1x Realtek® 8125B 2.5G LAN	1x Intel® I219-V 1G LAN
Wi-Fi	Intel® Wi-Fi 6 AX201	-	-	-	Intel® Wi-Fi 6 AX201	-
Audio	ALC897	ALC897	ALC897	ALC897	ALC897	ALC897
Form Factor	mATX	mATX	mATX	mATX	mATX	mATX
Audio						
Audio Feature	Audio Boost	Audio Boost	Audio Boost	Audio Boost	Audio Boost	Audio Boost
Audio Technology						
Cooling						
VRM Cooling						
M.2 Shield Frozr	•	•	•	•	•	
Pump Fan	•	•				
Frozr AI Cooling	•	•	•	•	•	•
Performance						
Core Boost / DDR4 Boost	• / •	• / •	• / •	• / •	• / •	• / •
OC Engine						
Lightning USB 20G						
Front USB Type-C						
Dual CPU Power						
2oz Copper thickened PCB	•	•	•	•	•	•
Protection						
PCI-E Steel Armor	•	•	•	•	•	•
Pre-installed I/O Shield						
Experience						
Mystic Light						
Mystic Light Extension	RGB / Rainbow	RGB / Rainbow	RGB / Rainbow		RGB / Rainbow	
Mystic Light SYNC / Ambient Link	• / -	• / -	• / -		• / -	
MSI Center	•	•	•	•	•	•
CPU Cooler Tuning	•	•	•	•	•	•
Flash BIOS Button						
EZ DEBUG LED	•	•	•	•	•	•