



MSI B550 TORAHAWK

MSI B550M MORTAR

MSI B550 GAMING CARBON WIFI

ADVANCING ASCENSION

AMD B550 MOTHERBOARD

Model Name	MPG B550 GAMING CARBON WIFI	MPG B550 GAMING EDGE WIFI	MPG B550 GAMING PLUS	MPG B550I GAMING EDGE WIFI	MPG B550I GAMING EDGE MAX WIFI
CPU Support	Support for 3rd Gen AMD Ryzen™ processors and future AMD Ryzen™ processors with BIOS update	Support for 3rd Gen AMD Ryzen™ processors and future AMD Ryzen™ processors with BIOS update	Support for 3rd Gen AMD Ryzen™ processors and future AMD Ryzen™ processors with BIOS update	Support for 3rd Gen AMD Ryzen™ processors and future AMD Ryzen™ processors with BIOS update	Support for 3rd Gen AMD Ryzen™ processors and future AMD Ryzen™ processors with BIOS update
Chipset	AMD B550 Chipset	AMD B550 Chipset	AMD B550 Chipset	AMD B550 Chipset	AMD B550 Chipset
CPU Socket	AMD Socket AM4	AMD Socket AM4	AMD Socket AM4	AMD Socket AM4	AMD Socket AM4
Graphics Interface	1x PCIe 4.0 x16 slot + 1x PCIe 3.0 x16 slot Support 2-way AMD® CrossFire™ Technology	1x PCIe 4.0 x16 slot + 1x PCIe 3.0 x16 slot Support 2-way AMD® CrossFire™ Technology	1x PCIe 4.0 x16 slot + 1x PCIe 3.0 x16 slot Support 2-way AMD® CrossFire™ Technology	1x PCIe 4.0 x16 slot	1x PCIe 4.0 x16 slot
Display Interface	DisplayPort, HDMI - Requires Processor Graphics	DisplayPort, HDMI - Requires Processor Graphics	DisplayPort, HDMI - Requires Processor Graphics	HDMI 2.1 - Requires Processor Graphics	HDMI 2.1 - Requires Processor Graphics
Memory Support	4 DIMMs, Dual Channel DDR4-4866 (OC)	4 DIMMs, Dual Channel DDR4-4866 (OC)	4 DIMMs, Dual Channel DDR4-4400 (OC)	2 DIMMs, Dual Channel DDR4-4600 (OC)	2 DIMMs, Dual Channel DDR4-4600 (OC)
Expansion Slots	3x PCIe 3.0 x1 slots	2x PCIe 3.0 x1 slots	2x PCIe 3.0 x1 slots	-	-
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, 1x M.2 Gen3 x4 slot, 6x SATA 6Gb/s ports	1x M.2 Gen4 x4 slot, 1x M.2 Gen3 x4 slot, 4x SATA 6Gb/s ports	1x M.2 Gen4 x4 slot, 1x M.2 Gen3 x4 slot, 4x SATA 6Gb/s ports
USB 3.2 Gen 2 10Gbps	2x USB 3.2 Gen 2 10G (1A + 1C)	2x USB 3.2 Gen 2 10G (1A + 1C)	2x USB 3.2 Gen 2 10G (1A + 1C)	2x USB 3.2 Gen 2 10G (1A + 1C)	2x USB 3.2 Gen 2 10G (1A + 1C)
USB 3.2 Gen 1 5Gbps	5x USB 3.2 Gen 1 5G (4A + 1C)	5x USB 3.2 Gen 1 5G (4A + 1C)	5x USB 3.2 Gen 1 5G (4A + 1C)	5x USB 3.2 Gen 1 5G (4A + 1C)	5x USB 3.2 Gen 1 5G (4A + 1C)
USB 2.0	8x USB 2.0	6x USB 2.0	8x USB 2.0	4x USB 2.0	4x USB 2.0
LAN	1x Realtek® 8125B 2.5G LAN	1x Realtek® 8125B 2.5G LAN	1x Realtek® 8111H Gigabit LAN	1x Realtek® 8125B 2.5G LAN	1x Realtek® 8125B 2.5G LAN
Audio	Realtek® ALC1200	Realtek® ALC1200	Realtek® ALC892	Realtek® ALC1200	Realtek® ALC1200
Wi-Fi / Bluetooth	Intel® Wi-Fi 6 AX200	Intel® Wi-Fi 6 AX200	-	Intel® Wi-Fi 6 AX200	Intel® Wi-Fi 6 AX200
Form Factor	ATX	ATX	ATX	Mini-ITX	Mini-ITX
Audio					
Audio Feature	Audio Boost	Audio Boost	Audio Boost	Audio Boost	Audio Boost
Cooling					
Aluminum Cover / Extended Heatsink	Aluminum Cover	Extended Heatsink	Extended Heatsink	Extended Heatsink	Extended Heatsink
7W/mK Thermal Pad & Choke Pad	•	•	•	•	•
Frozr Heatsink Design				•	•
MOSFET Baseplate				•	•
M.2 Shield Frozr	2x	1x	1x	1x	1x
Pump Fan & Smart Fan Control	•	•	•	•	•
LED					
Mystic Light	•	•	•		
Mystic Light Extension (RGB)	RGB / Rainbow / Corsair	RGB / Rainbow	RGB / Rainbow	Rainbow	Rainbow
Mystic Light SYNC	•	•	•	•	•
Ambient Link	•	•	•	•	•
EZ LED Control	•	•	•	•	•
EZ DEBUG LED	•	•	•	•	•
Performance					
Core Boost & DDR4 Boost	•	•	•	•	•
2oz Thickened Copper PCB	•	•	•	•	•
Game Boost	•	•	•	•	•
Creator Genie					
USB 3.2 Gen 2 10G	•	•	•	•	•
Front USB Type-C	•	•	•	•	•
Dual CPU Power	8+4 pin				
Protection					
PCI-E Steel Armor / Steel Slot	x1 / x1	x1 / x1	x1 / x1	x1 / x0	x1 / x0
Pre-installed I/O Shielding	•	•	•	•	•
Experience					
Dragon Center	•	•	•	•	•
Click BIOS 5	•	•	•	•	•
Flash BIOS Button	•	•	•	•	•



MSI B550 TOMAHAWK

MSI B550M MORTAR

MSI B550 GAMING CARBON WIFI

ADVANCING ASCENSION

AMD B550 MOTHERBOARD

Model Name	MAG B550 TOMAHAWK	MAG B550 TORPEDO	MAG B550M MORTAR WIFI	MAG B550M MORTAR	MAG B550M BAZOOKA	MAG B550M VECTOR WIFI
CPU Support	Support for 3rd Gen AMD Ryzen™ processors and future AMD Ryzen™ processors with BIOS update	Support for 3rd Gen AMD Ryzen™ processors and future AMD Ryzen™ processors with BIOS update	Support for 3rd Gen AMD Ryzen™ processors and future AMD Ryzen™ processors with BIOS update	Support for 3rd Gen AMD Ryzen™ processors and future AMD Ryzen™ processors with BIOS update	Support for 3rd Gen AMD Ryzen™ processors and future AMD Ryzen™ processors with BIOS update	Support for 3rd Gen AMD Ryzen™ processors and future AMD Ryzen™ processors with BIOS update
Chipset	AMD B550 Chipset	AMD B550 Chipset	AMD B550 Chipset	AMD B550 Chipset	AMD B550 Chipset	AMD B550 Chipset
CPU Socket	AMD Socket AM4	AMD Socket AM4	AMD Socket AM4	AMD Socket AM4	AMD Socket AM4	AMD Socket AM4
Graphics Interface	1x PCIe 4.0 x16 slot + 1x PCIe 3.0 x16 slot Support 2-way AMD® CrossFire™ Technology	1x PCIe 4.0 x16 slot + 1x PCIe 3.0 x16 slot Support 2-way AMD® CrossFire™ Technology	1x PCIe 4.0 x16 slot + 1x PCIe 3.0 x16 slot Support 2-way AMD® CrossFire™ Technology	1x PCIe 4.0 x16 slot + 1x PCIe 3.0 x16 slot Support 2-way AMD® CrossFire™ Technology	1x PCIe 4.0 x16 slot	1x PCIe 4.0 x16 slot
Display Interface	DisplayPort, HDMI – Requires Processor Graphics	DisplayPort, HDMI – Requires Processor Graphics	DisplayPort, HDMI – Requires Processor Graphics	DisplayPort, HDMI – Requires Processor Graphics	DisplayPort, HDMI – Requires Processor Graphics	DisplayPort, HDMI – Requires Processor Graphics
Memory Support	4 DIMMs, Dual Channel DDR4-4866 (OC)	4 DIMMs, Dual Channel DDR4-4866 (OC)	4 DIMMs, Dual Channel DDR4-4400 (OC)	4 DIMMs, Dual Channel DDR4-4400 (OC)	4 DIMMs, Dual Channel DDR4-4400 (OC)	2 DIMMs, Dual Channel DDR4-4600 (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	2x PCIe 3.0 x1 slots
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, 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	1x M.2 Gen4 x4 slot, 4x SATA 6Gb/s ports
USB 3.2 Gen 2 10Gbps	2x USB 3.2 Gen 2 10G (1A + 1C)	2x USB 3.2 Gen 2 10G (1A + 1C)	2x USB 3.2 Gen 2 10G (1A + 1C)	2x USB 3.2 Gen 2 10G (1A + 1C)	-	-
USB 3.2 Gen 1 5Gbps	5x USB 3.2 Gen 1 5G (4A + 1C)	5x USB 3.2 Gen 1 5G (4A + 1C)	5x USB 3.2 Gen 1 5G (4A + 1C)	5x USB 3.2 Gen 1 5G (4A + 1C)	7x USB 3.2 Gen 1 5G (6A + 1C)	6x USB 3.2 Gen 1 5G (6A)
USB 2.0	6x USB 2.0	6x USB 2.0	6x USB 2.0	6x USB 2.0	6 x USB 2.0	6 x USB 2.0
LAN	1x Realtek® 8125B 2.5G LAN + 1x Realtek® 8111H Gigabit LAN	1x Realtek® 8125B 2.5G LAN	1x Realtek® 8125B 2.5G LAN	1x Realtek® 8125B 2.5G LAN	1x Realtek® 8111H Gigabit LAN	1x Realtek® 8111H Gigabit LAN
Audio	Realtek® ALC1200	Realtek® ALC1200	Realtek® ALC1200	Realtek® ALC1200	Realtek® ALC892	Realtek® ALC892
Wi-Fi / Bluetooth	-	-	Intel® Wi-Fi 6 AX200	-	-	Intel® Dual Band Wireless-AC 3168
Form Factor	ATX	ATX	M-ATX	M-ATX	M-ATX	M-ATX
Audio						
Audio Feature	Audio Boost	Audio Boost	Audio Boost	Audio Boost	Audio Boost	Audio Boost
Cooling						
Aluminum Cover / Extended Heatsink	Extended Heatsink	Extended Heatsink	Extended Heatsink	Extended Heatsink	Extended Heatsink	Extended Heatsink
7W/mK Thermal Pad & Choke Pad	•	•	•	•	•	•
Frozr Heatsink Design						
MOSFET Baseplate						
M.2 Shield Frozr	2x	1x	1x	1x	1x	1x
Pump Fan & Smart Fan Control	•	•	•	•	•	•
LED						
Mystic Light	•	•	•	•	•	•
Mystic Light Extension (RGB)	RGB / Rainbow	RGB / Rainbow	RGB / Rainbow	RGB / Rainbow	RGB / Rainbow	RGB / Rainbow
Mystic Light SYNC	•	•	•	•	•	•
Ambient Link	•	•	•	•	•	•
EZ LED Control	•	•	•	•	•	•
EZ DEBUG LED	•	•	•	•	•	•
Performance						
Core Boost & DDR4 Boost	•	•	•	•	•	•
2oz Thickened Copper PCB	•	•	•	•	•	•
Game Boost	•	•	•	•	•	•
Creator Genie						
USB 3.2 Gen 2 10G	•	•	•	•	•	•
Front USB Type-C	•	•	•	•	•	•
Dual CPU Power						
Protection						
PCI-E Steel Armor / Steel Slot	x1 / x1	x1 / x1	x1 / x0	x1 / x0	x1 / x0	x1 / x0
Pre-installed I/O Shielding	•	•	•	•	•	•
Experience						
Dragon Center	•	•	•	•	•	•
Click BIOS 5	•	•	•	•	•	•
Flash BIOS Button	•	•	•	•	•	•



MSI B550 TORAHAWK

MSI B550M MORTAR

MSI B550 GAMING CARBON WIFI

ADVANCING ASCENSION

AMD B550 MOTHERBOARD

Model Name	B550-A PRO	B550M PRO-VDH WIFI	B550M PRO-VDH	B550M PRO-DASH	B550M PRO	B550M-A PRO
CPU Support	Support for 3rd Gen AMD Ryzen™ processors and future AMD Ryzen™ processors with BIOS update	Support for 3rd Gen AMD Ryzen™ processors and future AMD Ryzen™ processors with BIOS update	Support for 3rd Gen AMD Ryzen™ processors and future AMD Ryzen™ processors with BIOS update	Support for 3rd Gen AMD Ryzen™ processors and future AMD Ryzen™ processors with BIOS update	Support for 3rd Gen AMD Ryzen™ processors and future AMD Ryzen™ processors with BIOS update	Support for 3rd Gen AMD Ryzen™ processors and future AMD Ryzen™ processors with BIOS update
Chipset	AMD B550 Chipset	AMD B550 Chipset	AMD B550 Chipset	AMD B550 Chipset	AMD B550 Chipset	AMD B550 Chipset
CPU Socket	AMD Socket AM4	AMD Socket AM4	AMD Socket AM4	AMD Socket AM4	AMD Socket AM4	AMD Socket AM4
Graphics Interface	1x PCIe 4.0 x16 slot + 1x PCIe 3.0 x16 slot Support 2-way AMD® CrossFire™ Technology	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	DisplayPort, HDMI - Requires Processor Graphics	DisplayPort, HDMI, VGA - Requires Processor Graphics	DisplayPort, HDMI, VGA - Requires Processor Graphics	DisplayPort, HDMI, VGA - Requires Processor Graphics	DisplayPort, HDMI, VGA - Requires Processor Graphics	HDMI, DVI-D - Requires Processor Graphics
Memory Support	4 DIMMs, Dual Channel DDR4-4400 (OC)	4 DIMMs, Dual Channel DDR4-4400 (OC)	4 DIMMs, Dual Channel DDR4-4400 (OC)	4 DIMMs, Dual Channel DDR4-4400 (OC)	2 DIMMs, Dual Channel DDR4-4600 (OC)	2 DIMMs, Dual Channel DDR4-4600 (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, 4x SATA 6Gb/s ports	1x M.2 Gen4 x4 slot, 1x M.2 Gen3 x4 slot, 4x SATA 6Gb/s ports	1x M.2 Gen4 x4 slot, 1x M.2 Gen3 x4 slot, 4x SATA 6Gb/s ports	1x M.2 Gen4 x4 slot, 4x SATA 6Gb/s ports	1x M.2 Gen4 x4 slot, 4x SATA 6Gb/s ports
USB 3.2 Gen 2 10Gbps	2x USB 3.2 Gen 2 10G (1A + 1C)	-	-	-	-	-
USB 3.2 Gen 1 5Gbps	5x USB 3.2 Gen 1 5G (4A + 1C)	7x USB 3.2 Gen 1 5G (6A + 1C)	7x USB 3.2 Gen 1 5G (6A + 1C)	7x USB 3.2 Gen 1 5G (6A + 1C)	6x USB 3.2 Gen 1 5G (6A)	6x USB 3.2 Gen 1 5G (6A)
USB 2.0	8x 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® 8111H Gigabit LAN	1x Realtek® 8111HN Gigabit LAN	1x Realtek® 8111HN Gigabit LAN	1x Realtek® 8111EPV Gigabit LAN	1x Realtek® 8111H Gigabit LAN	1x Realtek® 8111H Gigabit LAN
Audio	Realtek® ALC892	Realtek® ALC892	Realtek® ALC892	Realtek® ALC892	Realtek® ALC892	Realtek® ALC892
Wi-Fi / Bluetooth	-	Intel® Wireless-AC 3168	-	-	-	-
Form Factor	ATX	M-ATX	M-ATX	M-ATX	M-ATX	M-ATX
Audio						
Audio Feature	Audio Boost	Audio Boost	Audio Boost	Audio Boost	Audio Boost	Audio Boost
Cooling						
Aluminum Cover / Extended Heatsink	Extended Heatsink					
7W/mK Thermal Pad & Choke Pad	•	•	•	•		
Frozr Heatsink Design						
MOSFET Baseplate						
M.2 Shield Frozr	1x	1x	1x		1x	
Pump Fan & Smart Fan Control	•	•	•	•		
LED						
Mystic Light						
Mystic Light Extension (RGB)	RGB / Rainbow	RGB / Rainbow	RGB / Rainbow	RGB / Rainbow	RGB / Rainbow	
Mystic Light SYNC	•	•	•	•	•	
Ambient Link						
EZ LED Control	•	•	•	•	•	
EZ DEBUG LED	•	•	•	•	•	•
Performance						
Core Boost & DDR4 Boost	•	•	•	•	•	•
2oz Thickened Copper PCB	•	•	•	•	•	•
Game Boost						
Creator Genie	•	•	•	•	•	•
USB 3.2 Gen 2 10G	•					
Front USB Type-C	•	•	•	•		
Dual CPU Power						
Protection						
PCI-E Steel Armor / Steel Slot	x1 / x1	x1 / x0	x1 / x0	x1 / x0	x1 / x0	x1 / x0
Pre-installed I/O Shielding						
Experience						
Dragon Center	•	•	•	•	•	•
Click BIOS 5	•	•	•	•	•	•
Flash BIOS Button	•	•	•	•		