



PERFECT TRACE IN EVERY PLACE
FOR NON-STOP GAMING & PRODUCTIVITY



B450 MOTHERBOARDS - PERFORMANCE GAMING



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PERFORMANCE GAMING



Model Name	B450 GAMING PRO CARBON AC	B450 GAMING PLUS	B450M GAMING PLUS	B450I GAMING PLUS AC
CPU support	Support AMD Ryzen™ 1 st and 2 nd Generation/ Ryzen™ with Radeon™ Vega Graphics Processors for Socket AM4	Support AMD Ryzen™ 1 st and 2 nd Generation/ Ryzen™ with Radeon™ Vega Graphics Processors for Socket AM4	Support AMD Ryzen™ 1 st and 2 nd Generation/ Ryzen™ with Radeon™ Vega Graphics Processors for Socket AM4	Support AMD Ryzen™ 1 st and 2 nd Generation/ Ryzen™ with Radeon™ Vega Graphics Processors for Socket AM4
Chipset	AMD® B450 Chipset	AMD® B450 Chipset	AMD® B450 Chipset	AMD® B450 Chipset
CPU socket	AM4	AM4	AM4	AM4
Graphics interface	1 x PCI-E 3.0 x16 slot + 1 x PCI-E 2.0 x16 slot 2-way CrossFire	1 x PCI-E 3.0 x16 slot + 1 x PCI-E 2.0 x16 slot 2-way CrossFire	1 x PCI-E 3.0 x16 slot	1 x PCI-E 3.0 x16 slot
Display Interface	DisplayPort, HDMI - Requires Processor Graphics	HDMI, DVI-D - Requires Processor Graphics	HDMI, DVI-D - Requires Processor Graphics	DisplayPort, HDMI - Requires Processor Graphics
Memory support	4 DIMMs, Dual Channel DDR4-3466+(OC)	4 DIMMs, Dual Channel DDR4-3466+(OC)	2 DIMMs, Dual Channel DDR4-3466+(OC)	2 DIMMs, Dual Channel DDR4-3466+(OC)
Expansion slots	3 x PCI-E x1 slots	4 x PCI-E x1 slots	2 x PCI-E x1 slots	-
SATA / M.2	6 x SATA 6Gb/s ports, 2 x M.2 slots	6 x SATA 6Gb/s ports, 1 x M.2 slot	4 x SATA 6Gb/s ports, 1 x M.2 slot	4 x SATA 6Gb/s ports, 1 x M.2 slot
USB 3.1 Gen2	2 x USB 3.1 Gen2 (Type A+C)	2 x USB 3.1 Gen2 (Type A)	-	-
USB 3.1 Gen1	4 x USB 3.1 Gen1	4 x USB 3.1 Gen1	8 x USB 3.1 Gen1 (7 x Type-A + 1 x Type-C)	6 x USB 3.1 Gen1
USB 2.0	6 x USB 2.0	6 x USB 2.0	6 x USB 2.0	4 x USB 2.0
LAN	Intel® 211AT Gigabit LAN	Realtek® 8111H Gigabit LAN	Realtek® 8111H Gigabit LAN	Realtek® 8111H Gigabit LAN
Audio	7.1-Channel High Definition Audio with S/PDIF	7.1-Channel High Definition Audio	7.1-Channel High Definition Audio	7.1-Channel High Definition Audio
Wi-Fi/BT	Intel® 9260 WiFi, Bluetooth 5.0	-	-	Intel® 3168 WiFi, Bluetooth 4.2
CPU Power Connectors	1 x 8Pin + 1 x 4Pin	1 x 8Pin	1 x 8Pin	1 x 8Pin
Form Factor	ATX	ATX	M-ATX	Mini-ITX
Audio				
Audio Boost 4	•	•	•	•
Audio Boost	•	•	•	•
Nahimic Audio	•	•	•	•
Protection				
M.2 Shield	•	•	•	•
PCI-E Steel Armor	•	•	•	•
PCI-E Steel Slot	•	•	•	•
Performance				
CrossFire	2-way	2-way	•	•
GAME Boost	•	•	•	•
Core Boost	•	•	•	•
Digital PWM Power	•	•	•	•
AMD Turbo USB	•	•	•	•
Gamer Experience				
Mystic Light	•	•	•	•
Mystic Light Extension	RGB / Addressable / Corsair	RGB	RGB	RGB
Voice Boost	•	•	•	•
VR Ready	•	•	•	•
BIOS FLASHBACK+	•	•	•	•
Cooling				
Extended Heatsink	•	•	•	•
Fan header	6	6	3	2
Pump fan	•	•	•	•

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B450 MOTHERBOARDS - ARSENAL GAMING



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ARSENAL GAMING



Model Name	B450 TOMAHAWK	B450M MORTAR TITANIUM	B450M MORTAR	B450M BAZOOKA PLUS	B450M BAZOOKA
CPU support	Support AMD Ryzen™ 1 st and 2 nd Generation/ Ryzen™ with Radeon™ Vega Graphics Processors for Socket AM4	Support AMD Ryzen™ 1 st and 2 nd Generation/ Ryzen™ with Radeon™ Vega Graphics Processors for Socket AM4	Support AMD Ryzen™ 1 st and 2 nd Generation/ Ryzen™ with Radeon™ Vega Graphics Processors for Socket AM4	Support AMD Ryzen™ 1 st and 2 nd Generation/ Ryzen™ with Radeon™ Vega Graphics Processors for Socket AM4	Support AMD Ryzen™ 1 st and 2 nd Generation/ Ryzen™ with Radeon™ Vega Graphics Processors for Socket AM4
Chipset	AMD® B450 Chipset	AMD® B450 Chipset	AMD® B450 Chipset	AMD® B450 Chipset	AMD® B450 Chipset
CPU socket	AM4	AM4	AM4	AM4	AM4
Graphics interface	1 x PCI-E 3.0 x16 slot + 1 x PCI-E 2.0 x16 slot 2-way CrossFire	1 x PCI-E 3.0 x16 slot + 1 x PCI-E 2.0 x16 slot 2-way CrossFire	1 x PCI-E 3.0 x16 slot + 1 x PCI-E 2.0 x16 slot 2-way CrossFire	1 x PCI-E 3.0 x16 slot	1 x PCI-E 3.0 x16 slot
Display Interface	HDMI, DVI-D - Requires Processor Graphics	DisplayPort, HDMI - Requires Processor Graphics	DisplayPort, HDMI - Requires Processor Graphics	HDMI, DVI-D - Requires Processor Graphics	HDMI, DVI-D - Requires Processor Graphics
Memory support	4 DIMMs, Dual Channel DDR4-3466+(OC)	4 DIMMs, Dual Channel DDR4-3466+(OC)	4 DIMMs, Dual Channel DDR4-3466+(OC)	4 DIMMs, Dual Channel DDR4-3333+(OC)	4 DIMMs, Dual Channel DDR4-3466+(OC)
Expansion slots	3 x PCI-E x1 slots	2 x PCI-E x1 slots	2 x PCI-E x1 slots	2 x PCI-E x1 slots	2 x PCI-E x1 slots
SATA / M.2	6 x SATA 6Gb/s ports, 1 x M.2 slot	4 x SATA 6Gb/s ports, 2 x M.2 slots	4 x SATA 6Gb/s ports, 2 x M.2 slots	4 x SATA 6Gb/s ports, 1 x M.2 slot	4 x SATA 6Gb/s ports, 1 x M.2 slot
USB 3.1 Gen2	2 x USB 3.1 Gen2 (Type A+C)	2 x USB 3.1 Gen2 (Type A+C)	2 x USB 3.1 Gen2 (Type A+C)	-	-
USB 3.1 Gen1	4 x USB 3.1 Gen1	6 x USB 3.1 Gen1	6 x USB 3.1 Gen1	8 x USB 3.1 Gen1	6 x USB 3.1 Gen1
USB 2.0	6 x USB 2.0	6 x USB 2.0	6 x USB 2.0	6 x USB 2.0	8 x USB 2.0
LAN	Realtek® 8111H Gigabit LAN	Realtek® 8111H Gigabit LAN	Realtek® 8111H Gigabit LAN	Realtek® 8111H Gigabit LAN	Realtek® 8111H Gigabit LAN
Audio	7.1-Channel High Definition Audio	7.1-Channel High Definition Audio	7.1-Channel High Definition Audio	7.1-Channel High Definition Audio	7.1-Channel High Definition Audio
Wi-Fi/BT	-	-	-	-	-
CPU Power Connectors	1 x 8Pin	1 x 8Pin	1 x 8Pin	1 x 8Pin	1 x 8Pin
Form Factor	ATX	M-ATX	M-ATX	M-ATX	M-ATX
Audio					
Audio Boost 4					
Audio Boost	•	•	•	•	•
Nahimic Audio					
Protection					
M.2 Shield					
PCI-E Steel Armor	•	•	•	•	•
PCI-E Steel Slot	•	•	•	•	•
Performance					
CrossFire	2-way	2-way	2-way		
GAME Boost	•	•	•	•	•
Core Boost	•	•	•	•	•
Digital PWM Power	•	•	•	•	•
AMD Turbo USB	•	•	•	•	•
Gamer Experience					
Mystic Light	•	•	•	•	•
Mystic Light Extension	RGB	RGB	RGB	RGB	RGB
Voice Boost					
VR Ready	•	•	•	•	•
BIOS FLASHBACK+	•	•	•	•	•
Cooling					
Extended Heatsink	•	•	•	•	•
Fan header	6	4	4	3	3
Pump fan	•				

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B450 MOTHERBOARDS - PRO SERIES



PRO SERIES



Model Name	B450-A PRO	B450M PRO-VDH	B450M PRO-M2
CPU support	Support AMD Ryzen™ 1 st and 2 nd Generation/ Ryzen™ with Radeon™ Vega Graphics Processors for Socket AM4	Support AMD Ryzen™ 1 st and 2 nd Generation/ Ryzen™ with Radeon™ Vega Graphics Processors for Socket AM4	Support AMD Ryzen™ 1 st and 2 nd Generation/ Ryzen™ with Radeon™ Vega Graphics Processors for Socket AM4
Chipset	AMD® B450 Chipset	AMD® B450 Chipset	AMD® B450 Chipset
CPU socket	AM4	AM4	AM4
Graphics interface	1 x PCI-E 3.0 x16 slot + 1 x PCI-E 2.0 x16 slot 2-way CrossFire	1 x PCI-E 3.0 x16 slot	1 x PCI-E 3.0 x16 slot
Display Interface	HDMI, DVI-D, VGA - Requires Processor Graphics	HDMI, DVI-D, VGA - Requires Processor Graphics	HDMI, DVI-D, VGA - Requires Processor Graphics
Memory support	4 DIMMs, Dual Channel DDR4-3466+(OC)	4 DIMMs, Dual Channel DDR4-3466+(OC)	2 DIMMs, Dual Channel DDR4-3466+(OC)
Expansion slots	4 x PCI-E x1 slots	2 x PCI-E x1 slots	2 x PCI-E x1 slots
SATA / M.2	6 x SATA 6Gb/s ports, 1 x M.2 slot	4 x SATA 6Gb/s ports, 1 x M.2 slot	4 x SATA 6Gb/s ports, 1 x M.2 slot
USB 3.1 Gen2	2 x USB 3.1 Gen2 (Type A)	-	-
USB 3.1 Gen1	4 x USB 3.1 Gen1	6 x USB 3.1 Gen1	6 x USB 3.1 Gen1
USB 2.0	6 x USB 2.0	8 x USB 2.0	6 x USB 2.0
LAN	Realtek® 8111H Gigabit LAN	Realtek® 8111H Gigabit LAN	Realtek® 8111H Gigabit LAN
Audio	7.1-Channel High Definition Audio	7.1-Channel High Definition Audio	7.1-Channel High Definition Audio
Wi-Fi/BT	-	-	-
CPU Power Connectors	1 x 8Pin	1 x 8Pin	1 x 8Pin
Form Factor	ATX	M-ATX	M-ATX
Audio			
Audio Boost 4			
Audio Boost	•	•	•
Nahimic Audio			
Protection			
M.2 Shield			
PCI-E Steel Armor	•	•	
PCI-E Steel Slot	•		•
Performance			
CrossFire	2-way		
OC Genie 4	•	•	•
Core Boost	•	•	•
Digital PWM Power	•	•	•
AMD Turbo USB	•		
Gamer Experience			
Mystic Light			
Mystic Light Extension	RGB	RGB	
Voice Boost			
VR Ready	•	•	•
BIOS FLASHBACK+	•		
Cooling			
Extended Heatsink			
Fan header	6	3	2
Pump fan	•		

