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TOP MEDIA QUOTES

Tom's Hardware

"If you're planning to buy an AMD Ryzen 2000 series CPU, B450-powered motherboards promise solid performance at prices that won't break the bank."

AMD Launches B450 Chipset With StoreMI Feature, Thomas Soderstrom, https://www.tomshardware.com/news/amd-b450-chipset-launch,37529.html

TechRadar

"The AMD Ryzen 7 2700X fully outpaces the Intel Core i7-8700K, thanks to serious improvements made with Zen+ and higher clock speeds ending Team Blue's frequency advantage."

AMD Ryzen 7 2700X review, Kevin Lee, https://www.techradar.com/reviews/amd-ryzen-7-2700x

Tom's Hardware

"AMD's Ryzen 7 2700X is another big step forward for AMD. The improved boost algorithms add to Ryzen's performance advantage in heavily-threaded applications, while the increased frequency and reduced memory latency provide a boost to a wide range of workloads."

AMD Ryzen 7 2700X Review: Redefining Ryzen, Paul Alcorn, https://www.tomshardware.com/reviews/amd-ryzen-7-2700x-review,5571.html

AnandTech

"With support for 2-way CrossFire multi-graphics configurations, the B450M Mortar and B450M Mortar Titanium could comfortably be the foundations of a powerful microATX gaming system."

Analyzing B450 for AMD Ryzen: A Quick Look at 25+ Motherboards, Gavin Bonshor, https://www.anandtech.com/show/13091/analyzing-b450-for-amd-ryzen-a-quick-look-at-all-the-motherboards/19

TechPowerUp

"The MSI B450 GAMING PRO CARBON AC comes in at just under US\$130, a bargain for this much motherboard. The full, undiluted overclocking experience, excellent audio performance, and dark, sleek look all come together to create a very attractive package."

MSI B450 GAMING PRO CARBON AC Review, Black Haru, https://www.techpowerup.com/reviews/MS1/B450_GAMING_PRO_CARBON_AC/15.html

ProClockers

"The Tomahawk series has once again proven to be a menacing addition to the arsenal gaming lineup. Strong performance across the board from zero compromises is apparent."

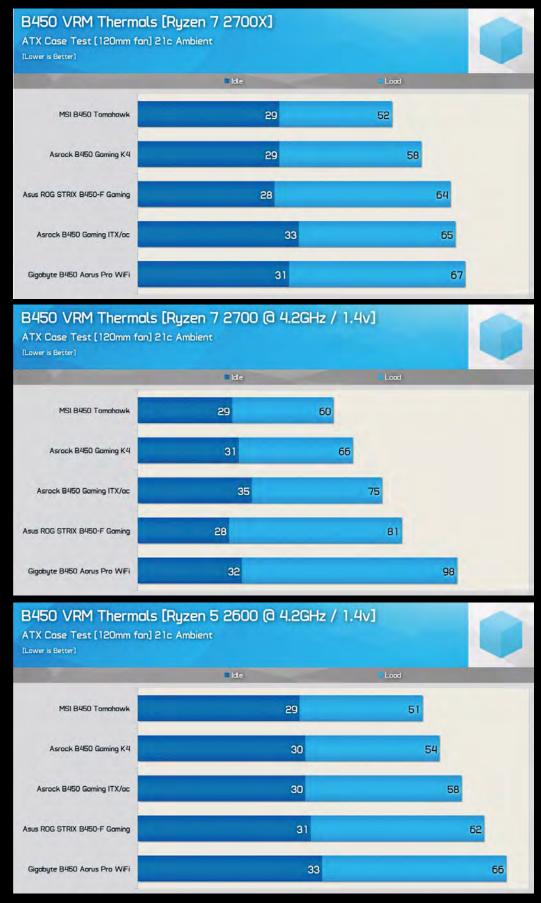
MSI B450 TOMAHAWK Motherboard Review, Damon Bailey, https://proclockers.com/reviews/motherboards/msi-b450-tomahawk-motherboard-review/page/0/8

Hardware Unboxed

"The MSI board does appear to have the best VRM design, and that was certainly the case when testing. And their big heatsinks probably don't hurt either."

B450 VRM Temp Test: Asus & Gigabyte Disappoint!, Hardware Unboxed, https://www.youtube.com/watch?v=EqQcgwz1hYA&t=859s





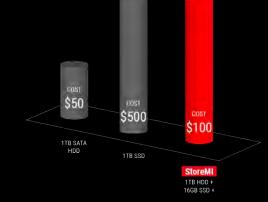
Disclaimer: There is no endorsement from the publishers above and they are the owners of their respective marks.



AMD CORE TECHNOLOGIES ON NEW B450 CHIPSET AND 2^{ND} GEN AMD RYZEN PROCESSOR

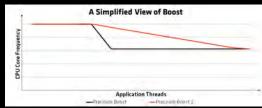
AMD StoreMI

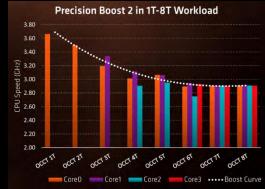
- √ Boost your HDD with the speed of a SSD
- √ Create a virtual SSD quickly
- \checkmark Works with any SSD; no hardware restriction like Intel® Optane[™]
- √ Included free with AMD AM4 400 Series motherboards



AMD Precision Boost 2

- √ High core frequencies are maintained across any number of CPU cores
- √ Results in snappier performance for extreme users

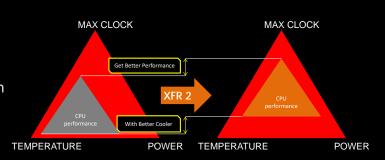




AMD XFR 2

(Extended Frequency Range 2)

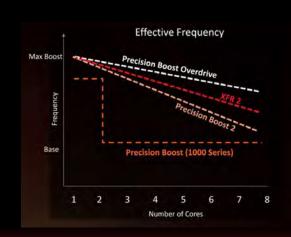
- √ Additional boosted CPU frequency depending on temperature headroom
- √ Additional performance when using extreme cooling
- √ Exceed Precision Boost limits when possible



AMD PBO

(Precision Boost Overdrive)

- √ Combination of Precision Boost 2 and Extended Frequency Range 2
- V "X" processor and "400 Series" motherboards only
- √ Can be toggled in BIOS



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MSI MAXIMIZES THE B450 PERFORMANCE AND UNLEASHES FULL POTENTIAL

Meticulously planned, designed with brand new features, and perfectly built for gamers and professionals: MSI B450 motherboards are the impeccable match for AMD Ryzen™ processors, and are here to continue a legacy of greatness.

Core Boost

√ Stabilize CPU power supply to ensure multi-core processor guarantees non-stop working and gaming

√ Creates perfect conditions for your CPU overclocking



Extended Heatsink

√ Thermal solution for more cores and higher performance

√ MSI extended PWM heatsink and enhanced circuit design ensures even high-end Ryzen[™] CPU to run in full speed with MSI motherboards



BIOS Flashback+

✓ Update/Recover BIOS within minutes
✓ Even works without a CPU, memory or graphics card installed





Unlock the Potential of Your Memory

A_YME

√ Just one click to set your memory timings and speed to its optimal settings for the best performance and stability



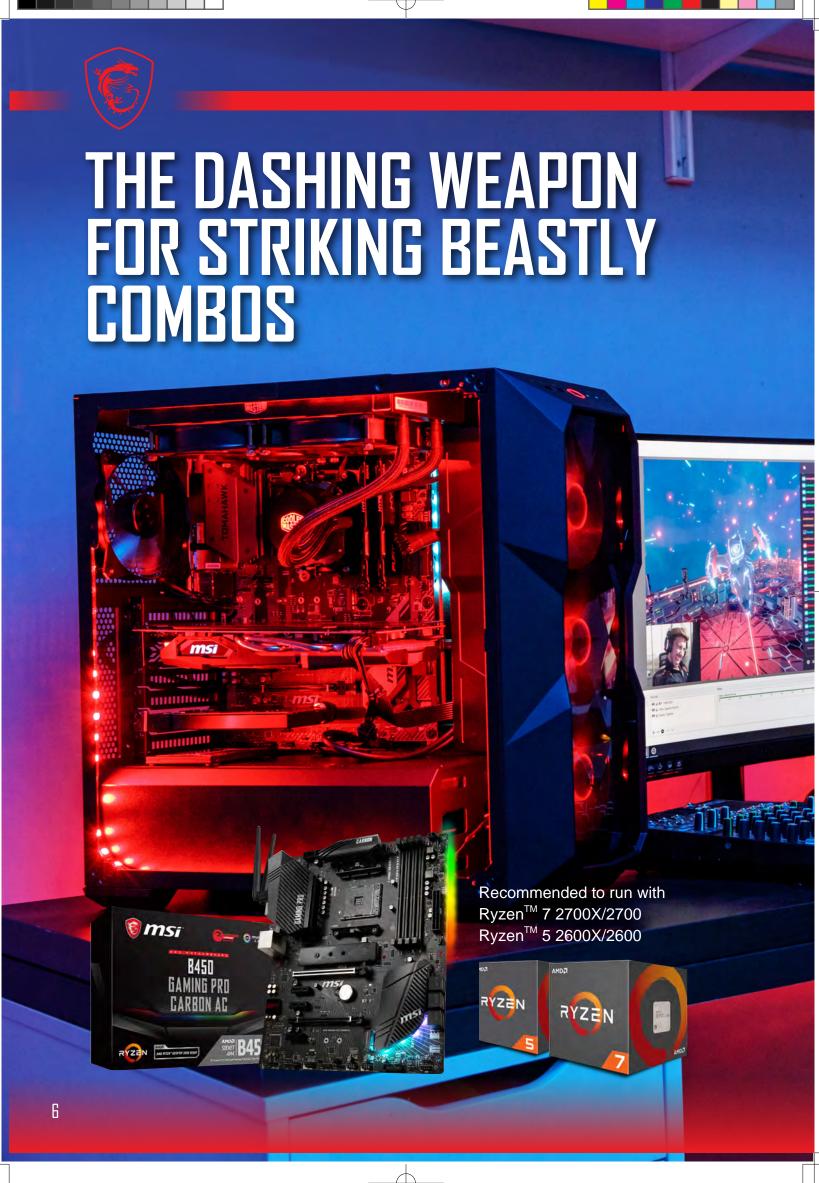
MEMORY TRY IT

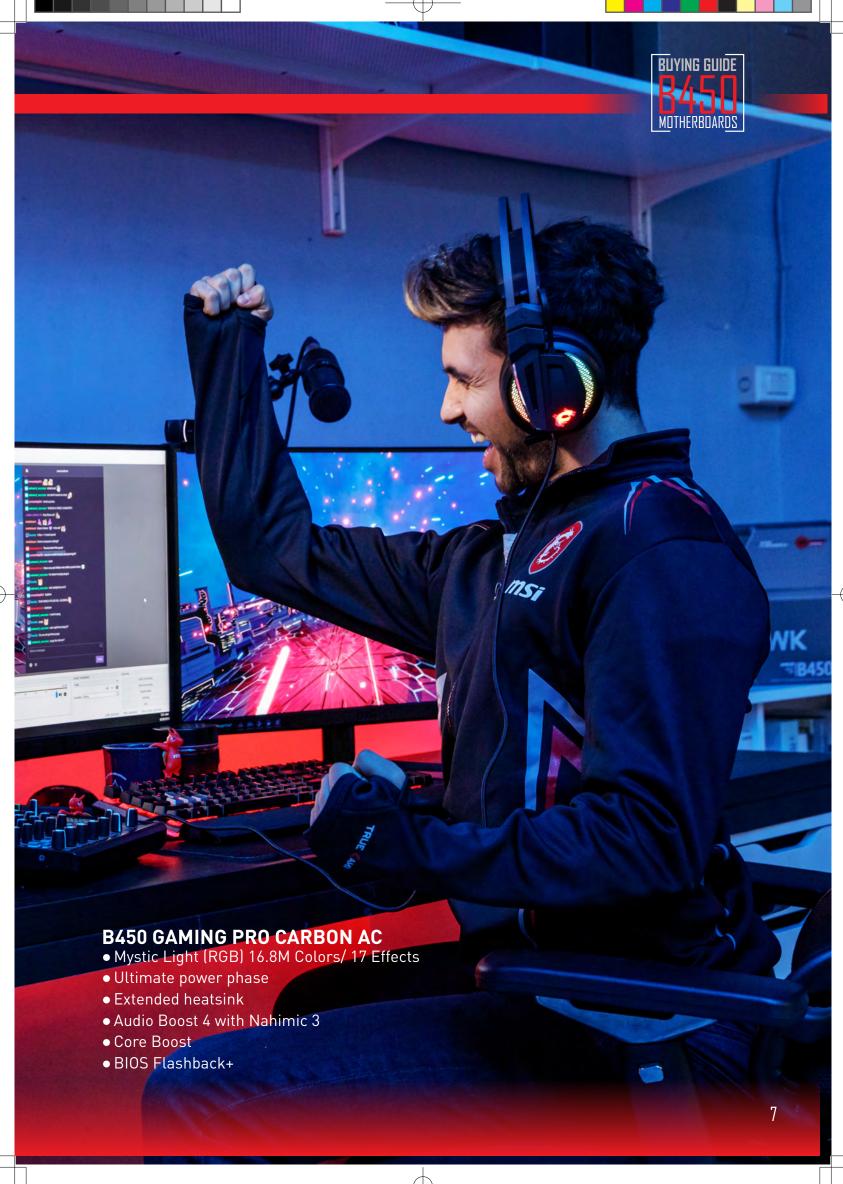
√ Pre-built memory settings to increase the performance of your DDR4

√ Works even if you are new to memory frequency or timings

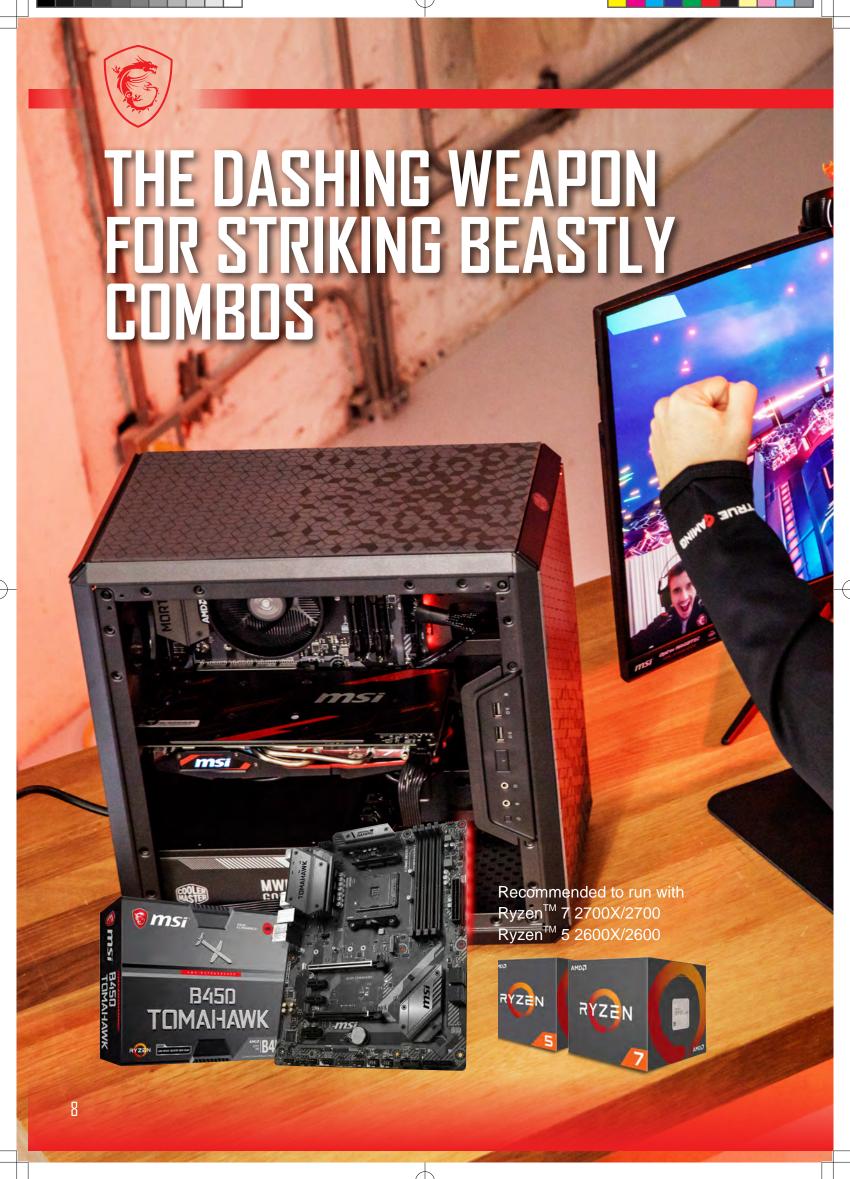


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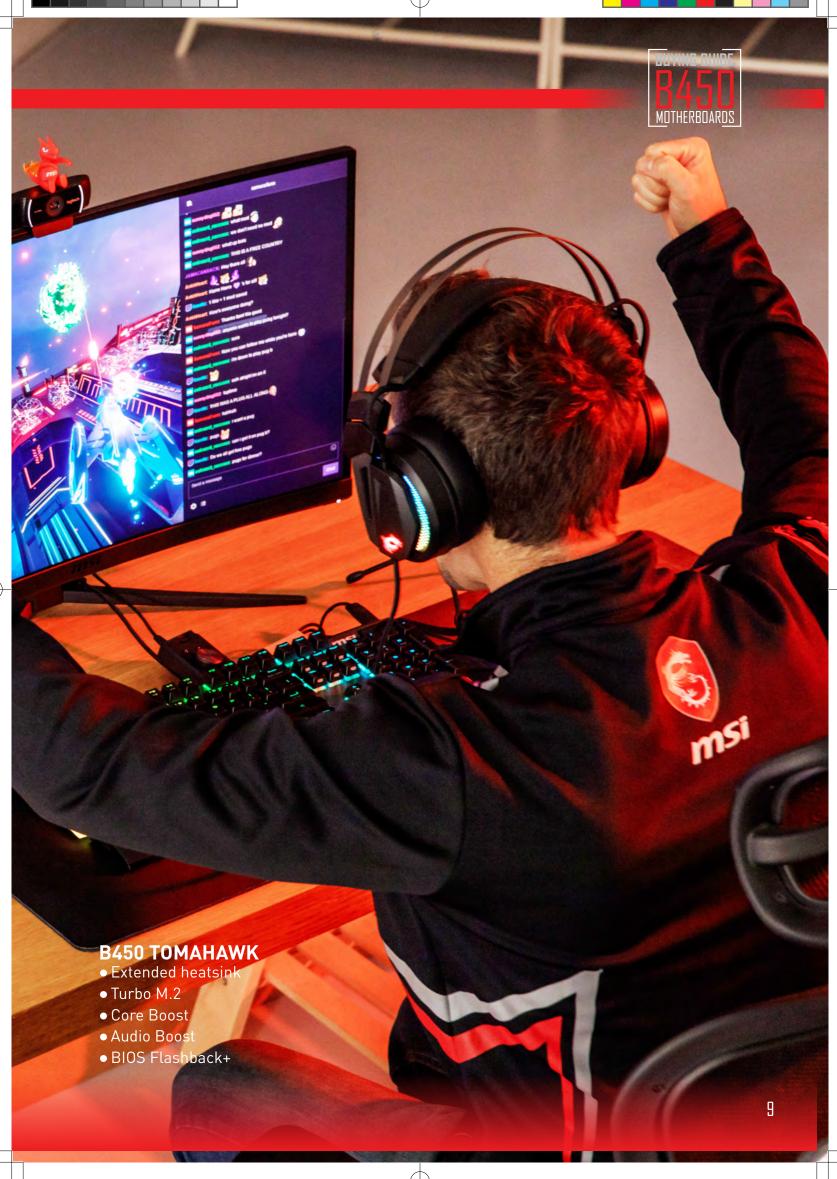




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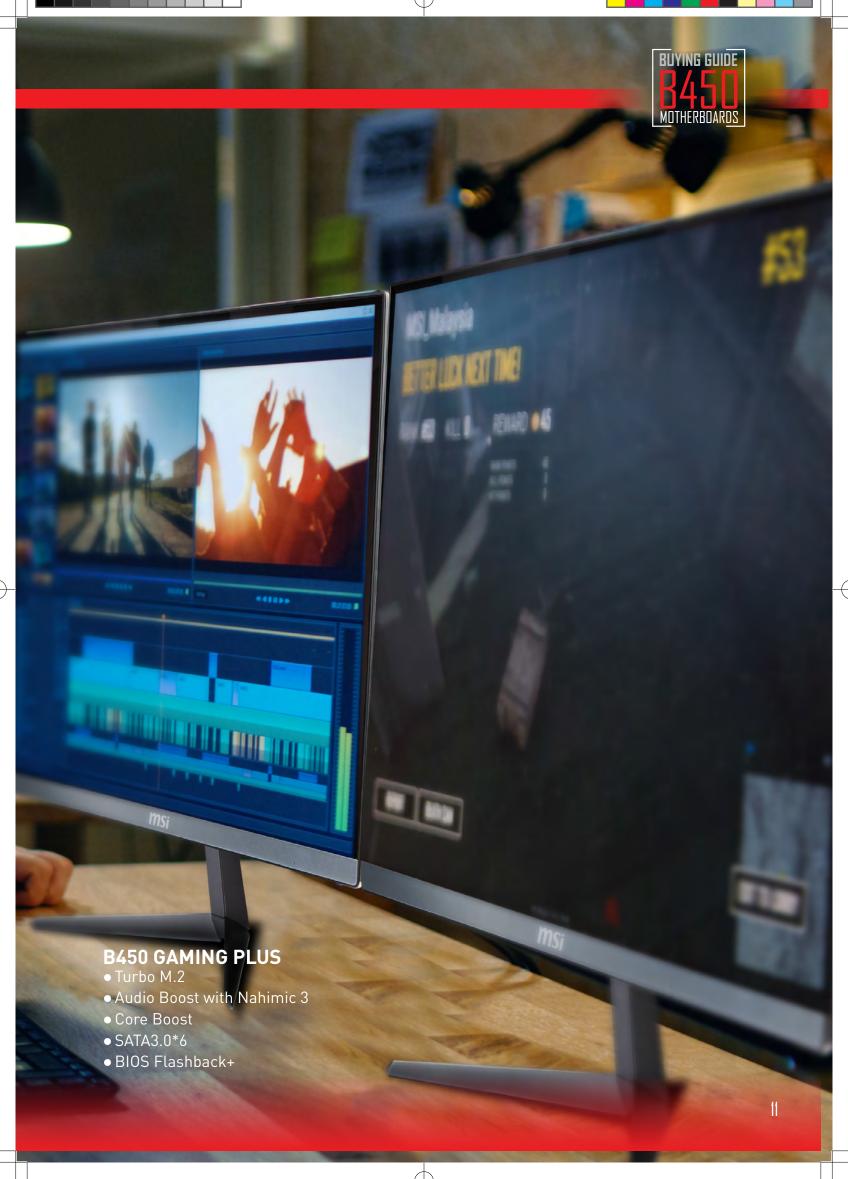
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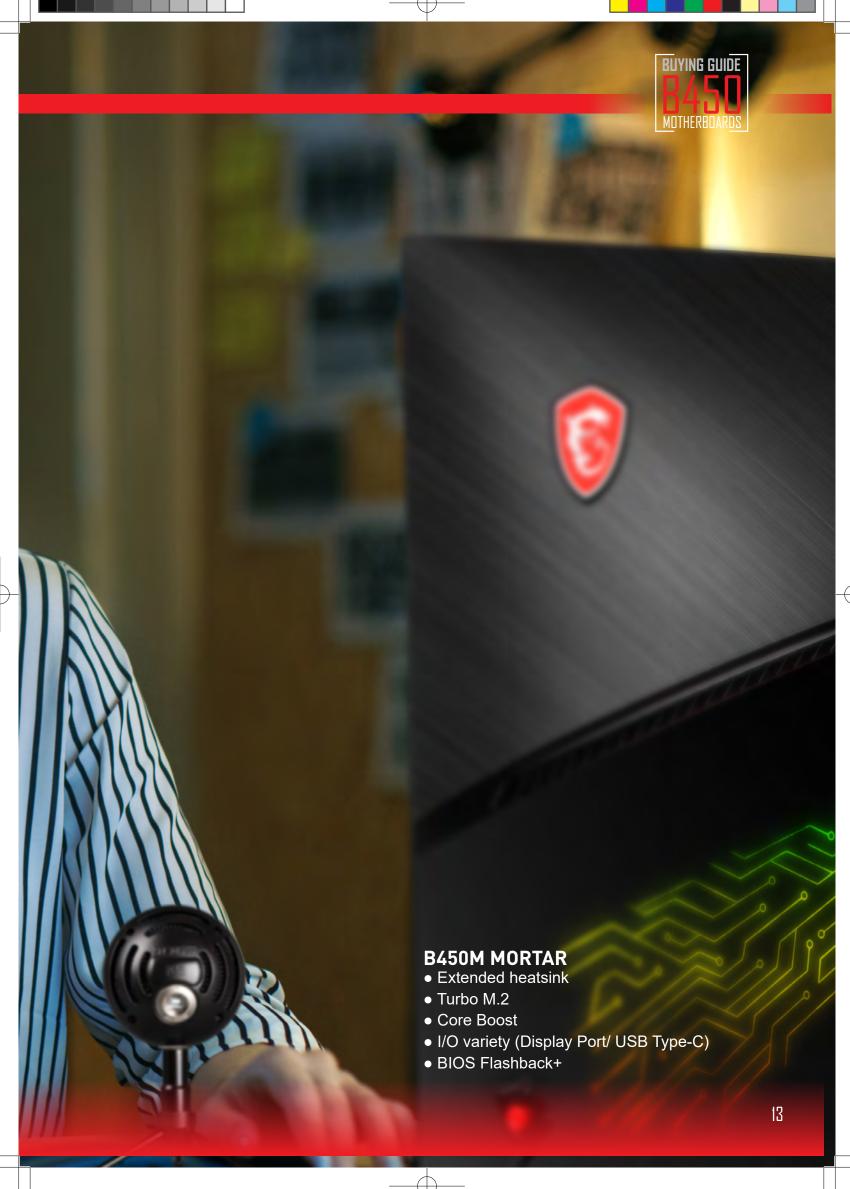


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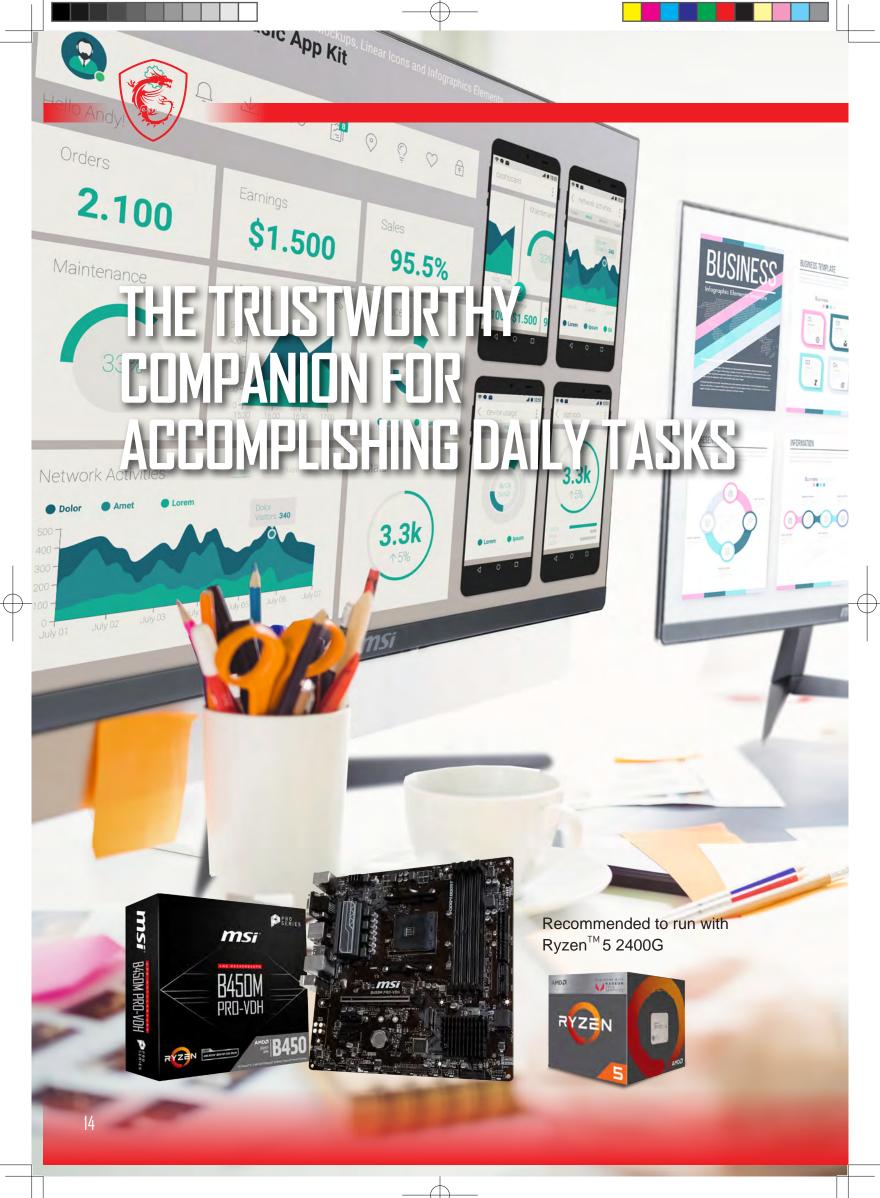




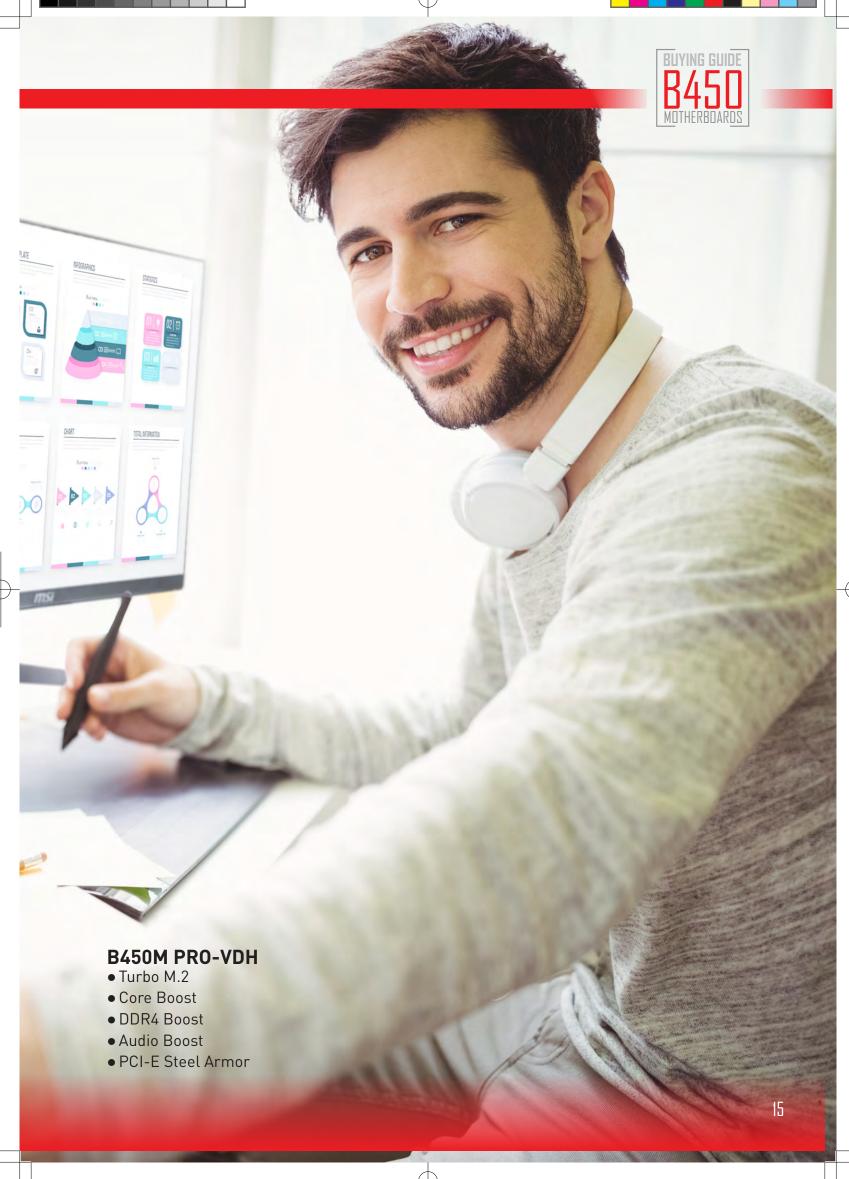
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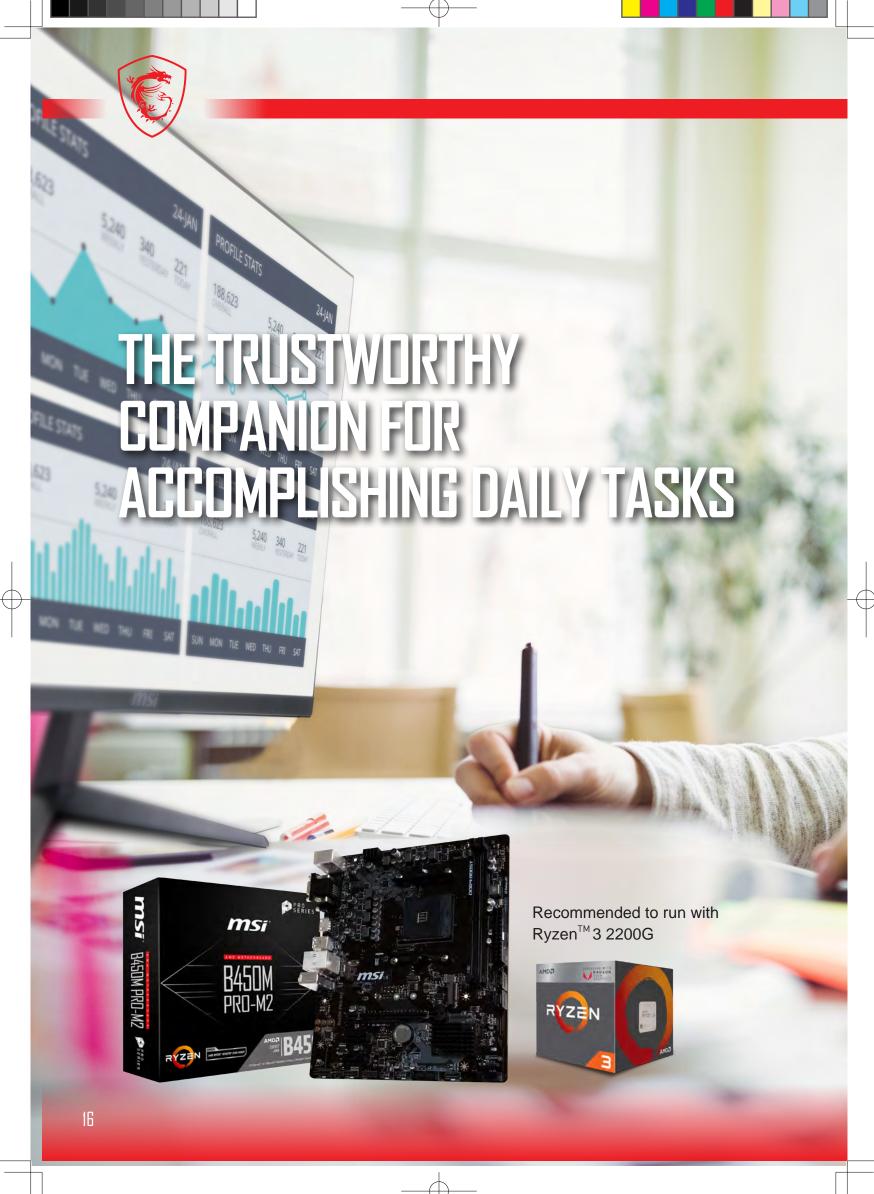


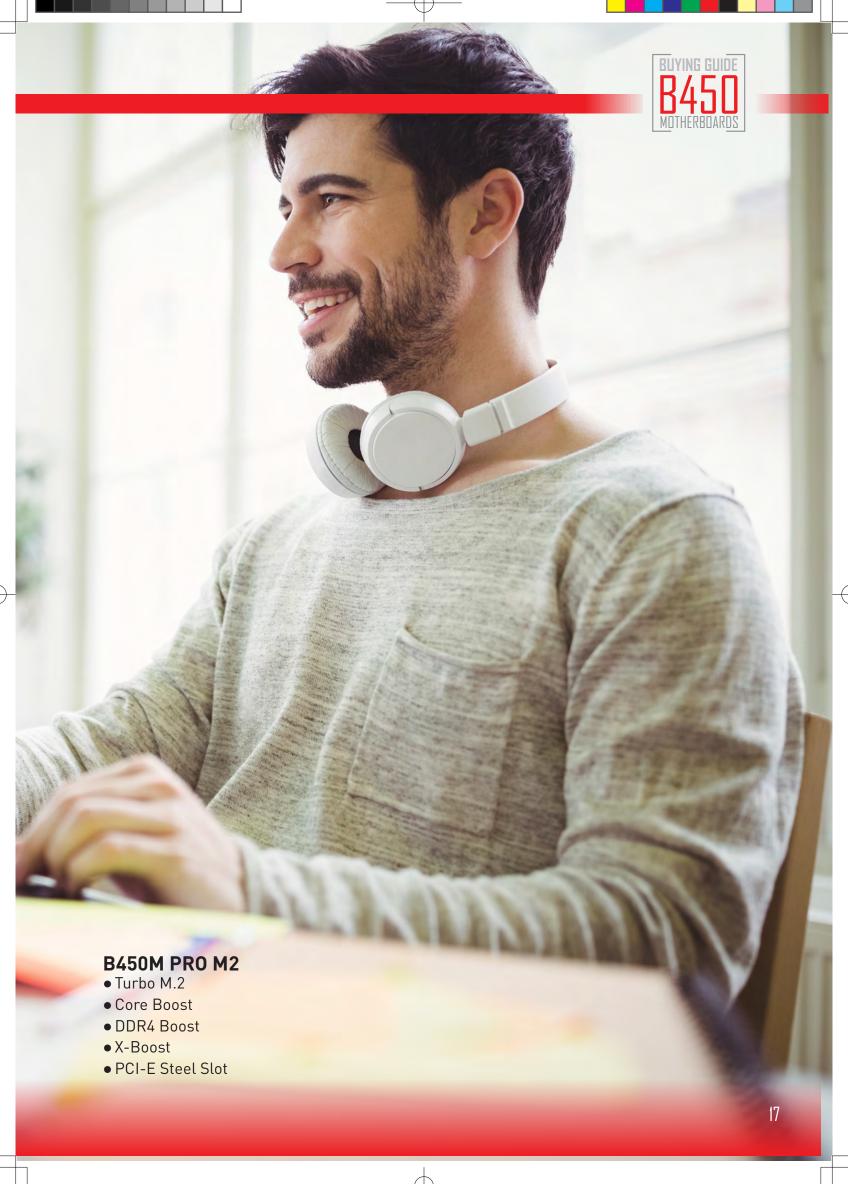
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SOCKET AM4 B450	B450 GAMING PRO CARBON AC	B450 GAMING PLUS	B450M GAMING PLUS	B450I GAMING PLUS AC	SOCKET B450	B450 TOMAHAWK	B450M MORTAR TITANIUM	
Form Factor	ATX	ATX	M-ATX	Mini-ITX	Form Factor	ATX	M-ATX	
Power Phases	11	7	7	9	Power Phases	7	7	
CPU Power Connectors	1x 8pin + 1x 4pin	1x 8Pin	1x 8Pin	1x 8Pin	CPU Power Connectors	1x 8Pin	1x 8Pin	
Digital CPU POWER Design	•	•	•	•	Digital CPU POWER Design	•	•	
DDR4 Boost	•	•	•	•	DDR4 Boost	•	•	
M.2 Shield	•	-	-	-	M.2 Shield	-	-	
Turbo M.2	1x Turbo M.2, 1x M.2(Gen2 x4)	1x Turbo M.2	1x Turbo M.2	1x Turbo M.2	Turbo M.2	1x Turbo M.2	1x Turbo M.2, 1x M.2(Gen2 x4)	1
AMD TURBO USB 3.1 Gen2	A+C	2x Type-A	-	-	AMD TURBO USB 3.1 Gen2	A+C	A+C	
USB 3.1 Gen1 / USB 2.0	4/6	4/6	8/6	6/4	USB 3.1 Gen1 / USB 2.0	4/6	6/6	
PCIe Steel Armor	•	•	•	•	PCIe Steel Armor	•	•	
SLI/CF	- / 2-Way	- / 2-Way	-	-	SLI/CF	- / 2-Way	- / 2-Way	
Extended Heatsink	•	-	-	-	Extended Heatsink	•	•	
Gaming Network	Intel i211AT + Intel 9260 WIFI	RTL8111H	RTL8111H	RTL8111H + Intel 3168 WIFI	Gaming Network	RTL8111H	RTL8111H	
Game Boost	1 Gear	1 Gear	1 Gear	1 Gear	Game Boost	1 Gear	1 Gear	
Audio	ALC 1220	ALC 892	ALC 887	ALC 887	Audio	ALC 892	ALC 892	
Nahimic & Voice boost	•	•	•	-	Nahimic & Voice boost	-	-	
RGB Mystic Light	16.8M Colors / 17 Effects	-	-	-	RGB Mystic Light	16.8M Colors / 10 Effects	16.8M Colors / 10 Effects	
Mystic Light Extension	RGB/RAINBOW/ CORSAIR	RGB	RGB	RGB	Mystic Light Extension	RGB	RGB	
BIOS FLASHBACK+	•	•	•	-	BIOS FLASHBACK+	•	•	

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PC BUILD CHECKLIST

CONFIGURATION	MODEL/ SKU	PRICE	REMARK
CPU			
MOTHERBOARD			
COOLER			
RAM			
HDD			
SSD			
VGA			
MONITOR			
CHASSIS			
POWER			
KEYBOARD/ MOUSE			
HEADSET			
OTHERS			
TOTAL			

TRUE **G**AM**I**NG

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