

## ASUS TUF B450-PLUS GAMING AMD B450 Socket AM4 ATX

**Brand :** ASUS

**Product code:** 90MBOYMO-M0EAY0

**Product name :** TUF B450-PLUS GAMING

- GPU Temperature Sensing & Fan Xpert 4 Core: Ensures every fan achieves the best balance of cooling performance and acoustics
  - TUF Protection: SafeSlot, ESD Guards, DDR4 overvoltage protection, Digi+ VRM, and stainless-steel back I/O for long-term reliability
  - Military-grade TUF Components: TUF LANGuard, TUF Chokes, TUF Capacitors, and TUF MOSFETs for maximum durability
  - Exclusive DTS® Custom audio: Delivers positional cues to stereo headphones, helping you to pinpoint enemies and action
  - Aura Sync RGB: Synchronize LED lighting with a vast portfolio of compatible PC gear
- TUF B450-PLUS GAMING, AMD B450, AM4, 4x DDR4 DIMM, 2x PCIe 2.0 x16, 3x PCIe 2.0 x1, 6x SATA III, PS/2, DVI-D, HDMI, LAN, USB 3.1, M.2, ATX, 305x244 mm



<b>Processor</b>		<b>Rear panel I/O ports</b>	
Processor manufacturer *	AMD	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2
Processor socket *	Socket AM4	Ethernet LAN (RJ-45) ports *	1
Compatible processor series *	AMD Athlon, AMD Ryzen 2000 Series, AMD Ryzen 3000 Series	PS/2 ports quantity	1
Maximum number of SMP processors	1	HDMI ports quantity *	1
<b>Memory</b>		DVI-D ports quantity *	1
Supported memory types *	DDR4-SDRAM	<b>Network</b>	
Number of memory slots *	4	Ethernet LAN	✓
Memory slots type	DIMM	Ethernet interface type	Gigabit Ethernet
Memory channels	Dual-channel	LAN controller	Realtek RTL8111H
ECC compatibility	ECC	Wake-on-LAN ready	✓
Supported memory clock speeds	2133,2400,2666,2800,3000,3200 MHz	<b>Features</b>	
Maximum internal memory *	64 GB	Motherboard chipset *	AMD B450
Unbuffered memory	✓	Audio chip	Realtek ALC887-VD2
<b>Storage controllers</b>		Audio output channels *	7.1 channels
RAID levels	0, 1, 10	Component for *	PC
<b>Graphics</b>		Motherboard form factor *	ATX
Parallel processing technology support *	CrossFireX	Motherboard chipset family *	AMD
Maximum resolution	4096 x 2160 pixels	Windows operating systems supported	Windows 10 Education x64, Windows 10 Enterprise x64, Windows 10 Home x64, Windows 10 Pro x64
<b>Internal I/O</b>		<b>Expansion slots</b>	
USB 2.0 connectors *	2	PCI Express x1 (Gen 2.x) slots	3
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	PCI Express x16 (Gen 3.x) slots	2
Number of SATA III connectors *	6	Number of M.2 (M) slots	1
Front panel audio connector	✓	<b>BIOS</b>	
		BIOS type *	UEFI AMI

Internal I/O		BIOS	
Front panel connector	✓	BIOS memory size	128 Mbit
ATX Power connector (24-pin)	✓	ACPI version	6.1
Number of EATX power connectors	1	Clear CMOS jumper	✓
CPU fan connector	✓	Plug and Play	✓
Number of chassis fan connectors	3	System Management BIOS (SMBIOS) version	3.1
Number of COM connectors	1		
Rear panel I/O ports		Logistics data	
USB 2.0 ports quantity *	2	Harmonized System (HS) code	84733020
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Weight & dimensions	
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1	Width	305 mm
		Depth	244 mm
		Packaging content	
		Cables included	SATA
		Manual	✓
		Drivers included	✓



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