ASUS

ASUS TUF B450-PRO GAMING AMD B450 Socket AM4 ATX

Brand : ASUS **Product code:** 90MB10C0-M0EAY0

Product name : TUF B450-PRO GAMING

- Realtek S1200A Codec: Features an unprecedented 108dB signal-to-noise ratio for the stereo line-out and a 103dB SNR for the line-in, providing pristine audio quality
- Exclusive DTS Custom audio: Delivers positional cues to stereo headphones, helping you to pinpoint enemies and action
- 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
- Aura Sync RGB: Synchronize LED lighting with a vast portfolio of compatible PC gear
AMD B450 ATX, 4x DDR4 3533 MHz, Dual M.2, USB 3.1 Gen 2, PCIe 3.0 x16, 4x SATA 6Gb/s, Gigabit RTL8111H, ALC S1220A, HDMI, DVI-D, 30.5x24.4 cm

Processor

Processor manufacturer *	AMD
Processor socket *	Socket AM4
Compatible processor series *	AMD Athlon, AMD Ryzen 2000 Series, AMD Ryzen 3000 Series

Memory

Supported memory types *	DDR4-SDRAM
Number of memory slots *	4
Memory slots type	DIMM
Memory channels	Dual-channel
ECC compatibility	ECC
Supported memory clock speeds	2133,2400,2666,2800,3000,3200,3466,3533 MHz
Maximum internal memory *	64 GB

Storage controllers

RAID levels	0, 1, 10

Graphics

Parallel processing technology support *	CrossFireX
On-board graphics card	✔
Maximum resolution	4096 x 2160 pixels
Discrete graphics support	✔

Internal I/O

USB 2.0 connectors *	2

Rear panel I/O ports

USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2
Ethernet LAN (RJ-45) ports *	1
PS/2 ports quantity	1
HDMI ports quantity *	1
HDMI version	2.0b
DVI-D ports quantity *	1
Headphone outputs	1
Microphone in	✔

Network

Ethernet LAN	✔
Ethernet interface type	Gigabit Ethernet
LAN controller	Realtek RTL8111H

Features

Motherboard chipset *	AMD B450
Audio chip	Realtek ALC S1220A
Audio output channels *	8.0 channels
Component for *	PC
Motherboard form factor *	ATX
Motherboard chipset family *	AMD
Windows operating systems supported	Windows 10 Education x64, Windows 10 Enterprise x64, Windows 10 Home x64, Windows 10 Pro x64, Windows 7 x64

Internal I/O

USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1
Number of SATA III connectors *	6
S/PDIF out connector	✔
CPU fan connector	✔
Number of chassis fan connectors	3
Number of COM connectors	1

Rear panel I/O ports

USB 2.0 ports quantity *	2
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1

Expansion slots

PCI Express x1 (Gen 2.x) slots	3
PCI Express x16 (Gen 3.x) slots	1
Number of M.2 (M) slots	1

BIOS

BIOS type *	UEFI AMI
BIOS memory size	128 Mbit
ACPI version	6.1
Clear CMOS jumper	✔
Plug and Play	✔

Weight & dimensions

Width	305 mm
Depth	244 mm

Packaging content

Cables included	SATA
Manual	✔

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