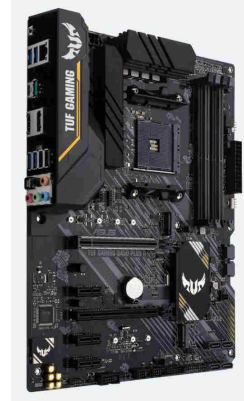# ASUS TUF GAMING B450-PLUS II AMD B450 Socket AM4 ATX

Brand : ASUS

Product code: 90MB1650-M0EAY0

Product name : TUF GAMING B450-PLUS II

- Comprehensive cooling: VRM heatsinks, PCH heatsink, Fan Xpert 4 core
- Next-gen connectivity: USB 3.2 Gen 2 Type-A and Type-C support
- Realtek S1200A codec: Pristine audio quality with unprecedented 108 dB signal-to-noise ratio for stereo line out and 103 dB SNR for line in
- AI Noise-Canceling Microphone: Provides crystal-clear in-game voice communication
- Aura Sync RGB Lighting: Synchronize LED lighting with a vast portfolio of compatible PC gear
AMD B450, AM4, ATX, 4 x DIMM DDR4, M.2, HDMI, DisplayPort, USB 3.2 Gen 2 Type-A, USB 3.2 Gen 1 Type-A and Type-C, Aura Sync RGB

Processor

Processor manufacturer *	AMD
Processor socket *	Socket AM4
Compatible processor series *	AMD Ryzen 3000 Series
Maximum number of SMP processors	1

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	2133,2400,2666,2800,3000,3200,3400,3466,3533,3600,3733,3866,4000,4400 MHz
Maximum internal memory *	128 GB
Unbuffered memory	✓

Storage controllers

Supported storage drive types	HDD & SSD
Supported storage drive interfaces *	M.2, SATA
RAID levels	0, 1, 10

Graphics

Parallel processing technology support *	CrossFireX

Internal I/O

USB 2.0 connectors *	2
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1
Number of SATA III connectors *	6
Total number of SATA connectors	6
S/PDIF out connector	✓
Audio connector	✓
Front panel audio connector	✓

Rear panel I/O ports

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
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	1
Ethernet LAN (RJ-45) ports *	1
HDMI ports quantity *	1
HDMI version	2.0b
DisplayPorts quantity	1
DisplayPort version	1.2
USB connector type	USB Type-A, USB Type-C

Network

Ethernet LAN	✓
Ethernet interface type	Gigabit Ethernet
LAN controller	Realtek L8200A
Wi-Fi *	✗

Features

Motherboard chipset *	AMD B450
Audio chip	Realtek ALC S1200A
Audio output channels *	8 channels
Component for *	PC
Motherboard form factor *	ATX
Motherboard chipset family *	AMD
Cooling type	Active
Power source type	ATX
Number of mounting holes	8

Internal I/O

ATX Power connector (24-pin)	✔
Number of EATX power connectors	1
CPU fan connector	✔
Number of chassis fan connectors	2
Number of COM connectors	1
TPM connector	✔
RGB LED pin header	✔

Rear panel I/O ports

USB 2.0 ports quantity *	2

Features

Windows operating systems supported	Windows 10 x64, Windows 7 x64

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	256 Mbit
Clear CMOS jumper	✔

Logistics data

Harmonized System (HS) code	84733020

Weight & dimensions

Width	305 mm
Depth	244 mm

Packaging content

Cables included	SATA
Drivers included	✔

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