ASUS PRIME B450M-A AMD B450 Socket AM4 micro ATX

Brand : ASUS   **Product code:** 90MB0YR0-M0EAY0

Product name : PRIME B450M-A

- Fan Xpert 2+: Flexible controls for ultimate cooling and silence, plus GPU-temperature sensing for cooler gaming
- Ultrafast connectivity: Supreme flexibility with USB 3.1 Gen 2 and native M.2
- ASUS Aura Sync header: Onboard connector for RGB LED strips, easily synced with an ever-growing portfolio of Aura Sync-capable hardware
- 5X Protection III: Multiple hardware safeguards for all-around system protection

PRIME B450M-A, AMD B450, AM4, 4x DIMM DDR4, HDMI 2.0b, DVI-D, 2x PCIe 3.0/2.0 x16, 2x PCIe 2.0 x1, 6x SATA III, M.2, USB 3.1, PS/2, VGA, mATX, 244x240 mm

ASUS PRIME B450M-A. Processor manufacturer: AMD, Processor socket: Socket AM4, Compatible processor series: AMD Athlon, AMD Ryzen 2000 Series, AMD Ryzen 3000 Series. Supported memory types: DDR4-SDRAM, Maximum internal memory: 64 GB, Memory slots type: DIMM. RAID levels: 0, 1, 10. Maximum resolution: 4096 x 2160 pixels. HDMI version: 2.0b

Processor

Processor manufacturer *	AMD
Processor socket *	Socket AM4
Compatible processor series *	AMD Athlon, AMD Ryzen 2000 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 MHz
Maximum internal memory *	64 GB
Unbuffered memory	✔

Storage controllers

RAID levels	0, 1, 10

Graphics

Maximum resolution	4096 x 2160 pixels

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
S/PDIF out connector	✔
Audio connector	✔
Front panel audio connector	✔
Front panel connector	✔
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	✔
12V power connector	✔

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	2
VGA (D-Sub) ports quantity *	1
HDMI ports quantity *	1
HDMI version	2.0b
DVI-D ports quantity *	1

Network

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

Features

Motherboard chipset *	AMD B450
Audio chip	Realtek ALC887
Audio output channels *	7.1 channels
Component for *	PC
Motherboard form factor *	micro 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

Expansion slots

PCI Express x1 (Gen 2.x) slots	2
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	✔
System Management BIOS (SMBIOS) version	3.1

Weight & dimensions

Width	244 mm
Depth	240 mm

Rear panel I/O ports		Packaging content	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Cables included	SATA
		Manual	✔
		Drivers included	✔

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