

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		Rear panel I/O ports	
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	2
Maximum number of SMP processors	1	VGA (D-Sub) ports quantity *	1
Memory		HDMI ports quantity *	1
Supported memory types *	DDR4-SDRAM	HDMI version	2.0b
Number of memory slots *	4	DVI-D ports quantity *	1
Memory slots type	DIMM	Network	
Memory channels	Dual-channel	Ethernet LAN	✓
ECC compatibility	ECC	Ethernet interface type	Gigabit Ethernet
Supported memory clock speeds	2133,2400,2666,2800,3000,3200 MHz	LAN controller	Realtek RTL8111H
Maximum internal memory *	64 GB	Features	
Unbuffered memory	✓	Motherboard chipset *	AMD B450
Storage controllers		Audio chip	Realtek ALC887
RAID levels	0, 1, 10	Audio output channels *	7.1 channels
Graphics		Component for *	PC
Maximum resolution	4096 x 2160 pixels	Motherboard form factor *	micro ATX
Internal I/O		Motherboard chipset family *	AMD
USB 2.0 connectors *	2	Windows operating systems supported	Windows 10 Education x64, Windows 10 Enterprise x64, Windows 10 Home x64, Windows 10 Pro x64
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	Expansion slots	
Number of SATA III connectors *	6	PCI Express x1 (Gen 2.x) slots	2
S/PDIF out connector	✓	PCI Express x16 (Gen 3.x) slots	1
Audio connector	✓	Number of M.2 (M) slots	1
Front panel audio connector	✓	BIOS	
Front panel connector	✓	BIOS type *	UEFI AMI
ATX Power connector (24-pin)	✓	BIOS memory size	128 Mbit
Number of EATX power connectors	1	ACPI version	6.1
CPU fan connector	✓	Clear CMOS jumper	✓
Number of chassis fan connectors	2	Plug and Play	✓
Number of COM connectors	1	System Management BIOS (SMBIOS) version	3.1
TPM connector	✓	Weight & dimensions	
12V power connector	✓	Width	244 mm
		Depth	240 mm

Rear panel I/O ports

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * 4

Packaging content

Cables included	SATA
Manual	✓
Drivers included	✓



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