

ASUS PRIME B450-PLUS AMD B450 Socket AM4 ATX

Brand : ASUS

Product code: 90MBOYN0-M0EAY0

Product name : PRIME B450-PLUS

- Fan Xpert 4 Core: Comprehensive controls for fans and AIO pump, 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 B450-PLUS, AMD B450, AM4, 4x DDR4 DIMM, HDMI 2.0b, DVI-D, 2x PCIe 3.0/2.0 x16, 3x PCIe 2.0 x1, 1x M.2, 6x SATA III, USB 3.1, LAN, PS/2, ATX, 305x234 mm



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	1
Maximum number of SMP processors	1	HDMI version	2.0b
		DVI-D ports quantity *	1
Memory		Network	
Supported memory types *	DDR4-SDRAM	Ethernet LAN	✓
Number of memory slots *	4	Ethernet interface type	Gigabit Ethernet
Memory slots type	DIMM	LAN controller	Realtek RTL8111H
Memory channels	Dual-channel	Wake-on-LAN ready	✓
ECC compatibility	ECC		
Supported memory clock speeds	2133,2400,2666,2800,3000,3200 MHz		
Maximum internal memory *	64 GB		
Unbuffered memory	✓		
Graphics		Features	
Parallel processing technology support *	CrossFireX	Motherboard chipset *	AMD B450
Maximum resolution	4096 x 2160 pixels	Audio chip	Realtek ALC887-VD2
		Audio output channels *	7.1 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
Internal I/O		Expansion slots	
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	✓		
Front panel connector	✓		

Internal I/O		BIOS	
ATX Power connector (24-pin)	✓	BIOS type *	UEFI AMI
Number of EATX power connectors	1	BIOS memory size	128 Mbit
CPU fan connector	✓	ACPI version	6.1
Number of chassis fan connectors	3	Clear CMOS jumper	✓
Number of COM connectors	1	System Management BIOS (SMBIOS) version	3.1
12V power connector	✓	Logistics data	
Rear panel I/O ports		Harmonized System (HS) code	84733020
USB 2.0 ports quantity *	2	Weight & dimensions	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Width	305 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1	Depth	234 mm
		Packaging content	
		Cables included	SATA
		Manual	✓
		Drivers included	✓



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