

## ASUS PRIME B450-PLUS AMD B450 Socket AM4 ATX

Brand : ASUS

Product code: 90MBOYNO-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



<b>Processor</b>		<b>Rear panel I/O ports</b>	
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™ 3, 2nd Generation AMD Ryzen™ 3, 3rd Generation AMD Ryzen™ 3, AMD Ryzen™ 5, 2nd Generation AMD Ryzen™ 5, 3rd Generation AMD Ryzen 5, AMD Ryzen™ 7, 2nd Generation AMD Ryzen™ 7, 3rd Generation AMD Ryzen™ 7, 3rd Generation AMD Ryzen™ 9	PS/2 ports quantity	1
Maximum number of SMP processors	1	HDMI version	2.0b
<b>Memory</b>		DVI-D ports quantity *	1
Supported memory types *	DDR4-SDRAM	<b>Network</b>	
Number of memory slots *	4	Ethernet LAN	✓
Memory slots type	DIMM	Ethernet interface type	Gigabit Ethernet
Memory channels	Dual-channel	LAN controller	Realtek RTL8111H
ECC compatibility	ECC	Wake-on-LAN ready	✓
Supported memory clock speeds	2133,2400,2666,2800,3000,3200 MHz	<b>Features</b>	
Maximum internal memory *	64 GB	Motherboard chipset *	AMD B450
Unbuffered memory	✓	Audio chip	Realtek ALC887-VD2
<b>Graphics</b>		Audio output channels *	7.1 channels
Parallel processing technology support *	CrossFireX	Component for *	PC
Maximum resolution	4096 x 2160 pixels	Motherboard form factor *	ATX
<b>Internal I/O</b>		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	<b>Expansion slots</b>	
Number of SATA III connectors *	6	PCI Express x1 (Gen 2.x) slots	3
Front panel audio connector	✓	PCI Express x16 (Gen 3.x) slots	2
Front panel connector	✓	Number of M.2 (M) slots	1
ATX Power connector (24-pin)	✓	<b>BIOS</b>	
Number of EATX power connectors	1	BIOS type *	UEFI AMI
CPU fan connector	✓	BIOS memory size	128 Mbit
Number of chassis fan connectors	3	ACPI version	6.1
Number of COM connectors	1	Clear CMOS jumper	✓
12V power connector	✓	System Management BIOS (SMBIOS) version	3.1
<b>Rear panel I/O ports</b>		<b>Logistics data</b>	
USB 2.0 ports quantity *	2	Harmonized System (HS) code	84733020
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	<b>Weight &amp; dimensions</b>	
<b>Packaging content</b>		Width	305 mm
Cables included	SATA	Depth	234 mm
Manual	✓		

**Rear panel I/O ports**

USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity \* 1

**Packaging content**

Drivers included ✓



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