

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



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SKU	90MBOYNO-MOEAY0
Product Description:	ASUS PRIME B450-PLUS - motherboard - ATX - Socket AM4 - AMD B450
Product Type:	Motherboard - ATX
Chipset Type:	AMD B450
Processor Socket:	1 x Socket AM4
Compatible Processors:	Ryzen (supports 1st and 2nd Generation Ryzen / Ryzen with Radeon Vega Graphics)
Max RAM Size:	64 GB
RAM Supported:	4 DIMM slots - DDR4, ECC, unbuffered

General

Product Type:	Motherboard - ATX
Chipset Type:	AMD B450
Processor Socket:	Socket AM4
Max Processors Qty:	1
Compatible Processors:	Ryzen (supports 1st and 2nd Generation Ryzen / Ryzen with Radeon Vega Graphics)

Supported RAM

Max Size:	64 GB
Technology:	DDR4
Bus Clock:	2400 MHz, 2133 MHz, 2666 MHz, 2800 MHz (O.C.), 3000 MHz (O.C.), 3200 MHz (O.C.)
Supported RAM Integrity Check:	ECC
Registered or Buffered:	Unbuffered
Features:	Dual channel memory architecture

Manufacturer Warranty

Service & Support:	Limited warranty - 3 years
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Miscellaneous

Included Accessories:	1 x M.2 screw, I/O back cover
Cables Included:	2 x Serial ATA cable
Software Included:	Drivers & Utilities, ASUS AI Charger, ASUS AI Suite III, PC Cleaner, ASUS EZ Flash 3, File Transfer
Width:	30.5 cm
Depth:	23.4 cm

Features

BIOS Type:	AMI
BIOS Features:	Multilingual BIOS, ASUS Quiet Thermal Solution, UEFI BIOS, ASUS EZ Flash 3, ACPI 6.1 support, SMBIOS 3.1 support
Sleep / Wake Up:	Wake on LAN (WOL), wake on PME

Audio

Type:	HD Audio (8-channel)
Audio Codec:	Realtek ALC887-VD2
Compliant Standards:	High Definition Audio

LAN

Network Controller:	Realtek RTL8111H
Network Interfaces:	Gigabit Ethernet

Features

Hardware Features:

C.P.R. (CPU Parameter Recall), ASUS Q-Design, ESD Guards, Q-DIMM, Q-Slot, CrashFree BIOS 3, 6 Phase Power Design, ASUS DIGI+ VRM, Fanless Design Heatsink, AMD CrossFireX technology support, Preboot eXecution Environment (PXE), ASUS Stainless Steel Back I/O, LANGuard, ASUS Overvoltage Protection, ASUS SafeSlot Core, ASUS Fan Xpert 4 Core, AMD StoreMI technology, NVM Express RAID support, ASUS Aura Sync

Expansion / Connectivity

Expansion Slots:

1 x CPU ; 4 x DIMM 288-pin ; 1 x PCIe 3.0 x16 (x16 mode (with 1st and 2nd Generation Ryzen CPU); x8 mode (with Ryzen with Radeon Vega Graphics)) ; 3 x PCIe 2.0 x1 ; 1 x PCIe 2.0 x16 (x4 mode)

Storage Interfaces:

SATA-600 -connectors: 4 x 7pin Serial ATA - RAID 0 / RAID 1 / RAID 10 ; SATA-600 -connectors: 2 x 7pin Serial ATA ; SATA-600 / PCIe 3.0 -connectors: 1 x M.2

Interfaces:

1 x LAN (Gigabit Ethernet) ; 2 x USB 3.1 Gen 1 ; 1 x PS/2 keyboard / mouse ; 1 x audio line-in - mini-jack ; 1 x audio line-out - mini-jack ; 1 x microphone - mini-jack ; 2 x USB 2.0 ; 1 x DVI-D ; 1 x HDMI ; 2 x USB 3.1 Gen 2 ; 1 x USB-C Gen1

Internal Interfaces:

4 x USB 2.0 - header ; 2 x USB 3.1 Gen 1 - header ; 1 x serial - header ; 1 x SPDIF out - header ; 1 x audio - header

Power Connectors:

24-pin main power connector, 8-pin ATX12V connector

