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Product Specification Sheet

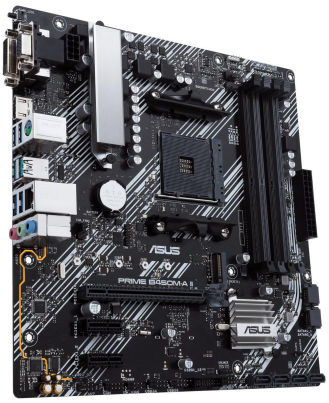
PRIMEB450M-KII

ASUS PRIME B450M-K II AMD Ryzen 5000 Series Socket AM4 mATX Motherboard

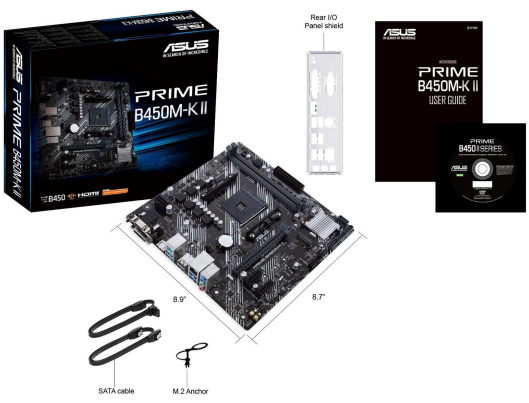
Product Overview

ASUS PRIME B450M-K II AMD Ryzen 5000 Series Socket AM4 mATX Motherboard, AMD B450 Chipset, 2x DDR4 DIMM Memory slots, 1x D-Sub, 1x DVI-D, 1x HDMI 2.0b, 1x PCI-e 3.0 x16 (x16 mode), 2x PCI-e 2.0 x1, 1x M.2 slots, 4x SATA 6Gb/s Ports, Realtek ALC887/897 7.1-channel High Definition audio, USB 3.2 Gen 1 Ports (Type-A), USB 2.0 Ports, USB 3.2 Gen 1 Ports, 1x PS/2 Keyboard/Mouse combo Ports, 1x LAN (RJ45) Ports, 3x audio jacks, 1x BIOS FlashBack buttons











Specifications

Overview:

PRIME B450M-K II

AMD B450 (Ryzen AM4) micro ATX motherboard with M.2 support, HDMI/DVI-D/D-Sub, SATA 6 Gbps, 1 Gb Ethernet, USB 3.2 Gen 1 Type-A, BIOS FlashBack

- Comprehensive cooling:PCH heatsink, and Fan Xpert
- Ultrafast connectivity:M.2 support, 1 Gb Ethernet, and USB 3.2 Gen 1 Type-A
- 5X Protection III:Multiple hardware safeguards for all-around system protection
- LED illumination:Lighting control for both PCIe slot and audio trace paths

Features:

ASUS Prime B450M II Series motherboards provide the solid foundation needed for your first build, plus flexibility to grow with your ambitions. We've melded all the good stuff that's packed into AMD Ryzen processors with essential ASUS design and engineering, so you benefit from industry-leading technologies - including automated system tuning, comprehensive cooling controls, and immersive onboard audio. When you build with an ASUS Prime B450M II Series motherboard, you build smart, easy and affordably.

Tune It Your Way

Comprehensive controls form the foundation of the ASUS Prime series. The Prime B450M II motherboard packs flexible tools to tune every aspect of your system, enabling you to tweak performance settings to perfectly match the way you work - maximizing your productivity.

Cooler by Design

PRIME B450M-K II is engineered with an array of hybrid fan headers and features comprehensive cooling controls that are configurable via Fan Xpert software or via the UEFI BIOS, ensuring your rig stays cool and stable under intense workloads.

- Multiple Temperature Sources
- Smart Protection
- 4-Pin PWM/DC Fan
- Each header can monitor and react to dedicated thermal sensors.

Build on a Solid Foundation

Prime B450M II motherboard provides all the fundamentals to boost daily productivity, so your system will be ready for action with stable power, intuitive cooling and flexible transfer options.

Achieve speed with onboard M.2

M.2 Slot supports data-transfer speed up to 32Gbps via x4 PCI Express 3.0 bandwidth. It' s the perfect choice for an operating system or application drive, providing fast access to data.

Little Things Make a Big Difference

Prime B450M II series adds the nuanced details that improve every experience, from exclusive codecs that provide pristine audio quality to intuitive interface that let you customize your system to create a unique personal look.

Outstanding Audio - Combined onboard features deliver elevated audio

Intelligent design and premium hardware create audio quality unlike anything youve ever experienced.

Specifications:

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Specifications	
Product Code	PRIMEB450M-KII
CPU	AMD AM4 Socket for AMD Ryzen 5000 Series / 5000 G-Series / 4000 G-Series / 3rd / 2nd / 1st Gen AMD Ryzen / 2nd and 1st Gen AMD Ryzen with Radeon Vega Graphics / Athlon with Radeon Vega Graphics Processors
Chipset	AMD B450
Memory	3rd/2nd/1st Gen AMD Ryzen / 2nd and 1st Gen AMD Ryzen with Radeon Vega Graphics/ Athlon with Radeon Vega Graphics Processors
	2 x DIMM, Max. 64GB, DDR4 4400(O.C) / 4000(O.C.) / 3866(O.C.) / 3733(O.C.) / 3600(O.C.) / 3466(O.C.) / 3400(O.C.) / 3300(O.C.) / 3200(O.C.) / 3000(O.C.) / 2933(O.C.) / 2800(O.C.) / 2666 / 2400 / 2133 MHz Un-buffered Memory
	Dual Channel Memory Architecture
	ECC Memory (ECC mode) support varies by CPU.
	* The maximum memory frequency supported varies by processor.
Graphic	Integrated Graphics in the 2nd and 1st Gen AMD Ryzen with Radeon Vega Graphics/ Athlon with Radeon Vega Graphics Processors
	1 x D-Sub
	1 x DVI-D
	1 x HDMI 2.0b
	*Graphics specifications may vary between CPU types.
Expansion Slots	3rd/2nd/1st Gen AMD Ryzen Processors
	1 x PCIe 3.0 x16 (x16 mode)
	2nd and 1st Gen AMD Ryzen with Radeon Vega Graphics Processors
	1 x PCIe 3.0 x16 (x8 mode)
	AMD Athlon with Radeon Vega Graphics Processors
	1 x PCIe 3.0 x16 (x4 mode)
	AMD B450 chipset
	2 x PCIe 2.0 x1

Storage	Total supports 1 x M.2 slot(s) and 4 x SATA 6Gb/s ports
	3rd/2nd/1st Gen AMD Ryzen / 2nd and 1st Gen AMD Ryzen with Radeon Vega Graphics :
	1 x M.2 Socket 3, with M key, type 2242/2260/2280 storage devices support (SATA & PCIE 3.0 x 4 mode)
	Athlon with Radeon Vega Graphics Processors :
	1 x M.2 Socket 3, with M key, type 2242/2260/2280 storage devices support (SATA mode)
	AMD B450 chipset :
	4 x SATA 6Gb/s port(s)
	Support Raid 0, 1, 10
LAN	Realtek RTL8111H
	ASUS LANGuard
Audio	Realtek ALC887/897 7.1-Channel High Definition Audio CODEC
	- Supports : Jack-detection, Multi-streaming, Front Panel Jack-retasking, up to 24-Bit/192kHz playback
	Audio Feature :
	- LED-illuminated design
	- Audio Shielding
	- Dedicated audio PCB layers
	- Premium Japanese audio capacitors
	* Choose the chassis with HD audio module in front panel to support 8-channel audio output.
USB Ports	Rear USB Port (Total 6)
	4 x USB 3.2 Gen 1 port(s)(4 x Type-A)
	2 x USB 2.0 port(s)(2 x Type-A)
	Front USB Port (Total 6)
	2 x USB 3.2 Gen 1 port(s)
	4 x USB 2.0 port(s)

Software Features	ASUS Exclusive Software
	Armoury Crate
	AI Suite 3
	- Performance and Power Saving Utility
	TurboV EVO
	EPU
	DIGI+ VRM
	Fan Xpert
	PC Cleaner
	- EZ update
	- System Information
	ASUS CPU-Z
	AI Charger
	ASUS EZ Installer
	DAEMON Tools
	Norton Anti-virus software (Free Trial for 60 days)
	WinRAR
	UEFI BIOS
	ASUS EZ DIY
	- ASUS CrashFree BIOS 3
	- ASUS EZ Flash 3
	- ASUS UEFI BIOS EZ Mode
ASUS Special Features	ASUS 5X PROTECTION III
	- ASUS DIGI+ VRM
	- ASUS LANGuard
	- ASUS Overvoltage Protection
	- ASUS SafeSlot Core
	- ASUS Stainless-Steel Back I/O
	ASUS Q-Design
	- ASUS Q-DIMM
	- ASUS Q-Slot
	ASUS Thermal Solution
	- Aluminum heatsink design
	ASUS EZ DIY
	- BIOS FlashBack button
	- BIOS FlashBack LED
	ASUS Lighting Control

Back I/O Ports	1 x PS/2 keyboard/mouse combo port(s)
	1 x DVI-D
	1 x D-Sub
	1 x HDMI
	1 x LAN (RJ45) port(s)
	4 x USB 3.2 Gen 1 (blue) Type-A
	2 x USB 2.0
	3 x Audio jack(s)
	1 x BIOS FlashBack Button(s)
Internal I/O Ports	1 x CPU Fan connector(s) (1 x 4 -pin)
	1 x Chassis Fan connector(s) (1 x 4 -pin)
	1 x USB 3.2 Gen 1(up to 5Gbps) connector(s) support(s) additional 2 USB 3.2 Gen 1 port(s) (19-pin)
	2 x USB 2.0 connector(s) support(s) additional 4 USB 2.0 port(s)
	1 x M.2 Socket 3 with M key, type 2242/2260/2280 storage devices support (SATA & PCIE 3.0 x 4 mode)
	1 x SPI TPM header
	1 x COM port(s) connector(s)
	4 x SATA 6Gb/s connector(s)
	1 x S/PDIF out header(s)
	1 x 24-pin EATX Power connector(s)
	1 x 8-pin ATX 12V Power connector(s)
	1 x Front panel audio connector(s) (AAFP)
	1 x System panel(s)
	1 x Clear CMOS jumper(s)
	1 x COM port header
	1 x Speaker connector
Accessories	User's manual
	I/O Shield
	2 x SATA 6Gb/s cable(s)
	1 x M.2 Anchor
	1 x Supporting DVD
BIOS	256 Mb Flash ROM, UEFI AMI BIOS
Operating System	Windows 10 64-bit
	Windows 7 64-bit
Form Factor	mATX Form Factor
	8.9 inch x 8.7 inch (22.6 cm x 22.1 cm)

Note	*To support Windows 7 64-bit, please install an AMD Ryzen 2nd Generation or Ryzen 1st Generation Processor.

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/PRIMEB450M-KII-ASUS-PRIME-B450M-K-II-AMD-Ryzen-5000-Series-Socket-AM4-mATX-Motherboard-p-322097.php

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