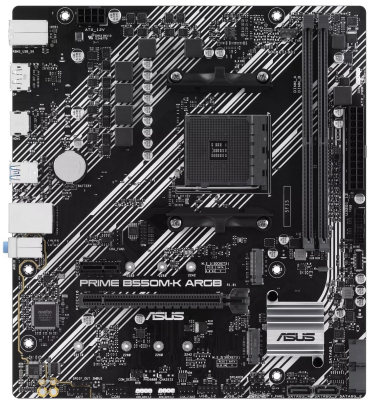
ASUS PRIME B550M-K ARGB

ASUS PRIME B550M-K ARGB AMD Ryzen 5000 Series Socket AM4 ATX Motherboard

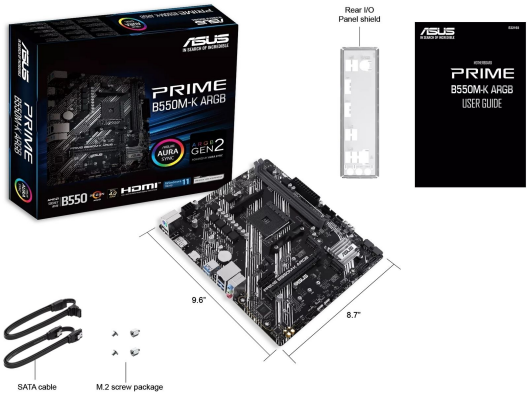
Product Overview

ASUS PRIME B550M-K ARGB AMD Ryzen 5000 Series Socket AM4 ATX Motherboard, AMD B550 Chipset, 2x DDR4 DIMM Memory slots, 1x DisplayPort, 1x HDMI Port, X PCI-e 4.0 x16 slot (Supports x16 mode), 1x PCI-e 3.0 x16 slot (Supports x16 mode), 1x PCI-e 3.0 x1 slot, 2x M.2 slots, 4x SATA 6Gb/s Ports, 1x Realtek 1GB Ethernet, USB 3.2 Gen 1 (5G) Ports (Type-A), USB 2.0 Ports (Type-A), Realtek 7.1 Surround sound High Definition audio, 3x audio jacks, 1x PS/2 Keyboard/Mouse combo Port











Specifications

Overview:

AMD B550 (Ryzen AM4) mATX motherboard with dual M.2 slots, PCIe 4.0, Realtek 1Gb Ethernet, DisplayPort/HDMI, SATA 6 Gbps, rear USB 3.2 Gen 1 ports, front USB 3.2 Gen 1 Type-Cand Aura Sync

- AMD AM4 Socket:Ready for AMD Ryzen 5000 Series/ 5000 G-Series/ 4000 G-Series/ 3000 Series Desktop Processors
- Ultrafast Connectivity:PCIe 4.0, dual M.2 slots, Realtek 1Gb Ethernet, rear USB 3.2 Gen 1 ports and front USB 3.2 Gen 1 Type-C
- Comprehensive Cooling:PCH heatsink, hybrid fan headers and Fan Xpert 2+
- Aura Sync RGB Lighting:Onboard Addressable Gen 2 headers for RGB LED strips, easily synced with Aura Sync-capable hardware

Features:

B550M-K ARGB

ASUS PRIME series is expertly engineered to unleash the full potential of 5000 Series/ 5000 G-Series/ 4000 G-Series/ 3000 Series AMD Ryzen platform. Boasting a robust power design, comprehensive cooling solutions and intelligent tuning options, PRIME B550 series motherboards provide daily users and DIY PC builders a range of performance tuning options via intuitive software and firmware features.

- 2 x USB 2.0
- PS/2
- DP
- HDMI
- 4 x USB 3.2 Gen 1
- Realtek 1Gb Ethernet
- 3 x Audio Jacks
- PCIe 4.0/3.0 x16• ASUS SafeSlot Core
- Audio Features• Audio Shielding• Premium audio capacitors• Dedicated audio PCB layers
- 2 x DDR4
- 3 x Addressable Gen 2 headers
- AMD AM4 Socket
- 2 x Front USB 3.2 Gen 1 Type-A
- 1 x Front USB 3.2 Gen 1 Type-C
- 64Gb/s M.2PCIe 4.0 x4 & SATA modes
- AMD B550 Chipset
- 32Gb/s M.2PCIe 3.0 x4 & SATA modes

- 4 x SATA 6Gb/s
- 4 x Front USB 2.0

FLEXIBILITY

Comprehensive controls form the foundation of the ASUS PRIME series. The PRIME B550 motherboard packs flexible tools to tune every aspect of your system, enabling performance tweaks to perfectly match the way you work to maximize productivity.

Intelligent Control

- EPU
- Fan Xpert 2+
- Digi+ VRM Control

All-Around Energy Efficiency

With the Energy Processing Unit (EPU), you' ll enjoy system-wide power savings.The EPU automatically optimizes power consumption and maximizes savings with Away mode.

COOLING

PRIME B550 series are engineered with an array of hybrid fan headers to ensure your rig stays cool and stable under intense workloads.

Cooler by Design

PRIME B550 series feature comprehensive cooling controls that are configurable via Fan Xpert 2+ software or via the UEFI BIOS.

Multiple Temperature Sources

Each header can dynamically reference three thermal sensors. Fan Xpert 2+ allows you to map the temperature of supported ASUS graphics cards to optimize cooling for GPU- and CPU-intensive tasks.

PERFORMANCE

PRIME B550 motherboard provides all the fundamentals to boost daily productivity, so your system will be ready for action with stable power, intuitive cooling and flexible data transfer options.

Dual M.2 Slots (up to 64 Gbps)

PRIME B550M-K ARGB offers a total of two M.2 slots, one of which supports data-transfer speeds of up to 64Gbps* via PCIe 4.0, enabling quicker boot-up and app load times with OS or application drives.

CUSTOMIZATION

The PRIME B550 series adds the nuanced details that improve every experience, from exclusive codecs that provide pristine audio quality to intuitive RGB lighting controls that let you customize your system to create a uniquely personal look.

Combined onboard features deliver elevated audio

Intelligent design and premium hardware create audio quality unlike anything you've ever experienced.

Audio Shielding

Audio shielding ensures precision analog/digital separation and greatly reduced multi-lateral interference.

Dedicated Audio PCB Layers

Separate layers for left and right tracks ensures both channels deliver consistent, equal quality.

Premium Audio Capacitors

Provides warm, natural, and immersive sound with exceptional clarity and fidelity.

Specifications:

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Specifications

Product Code	ASUS PRIME B550M-K ARGB
Model	PRIME B550M-K ARGB
CPU	AMD Socket AM4 for AMD Ryzen 5000 Series/ 5000 G-Series/ 4000 G-Series/ 3000 Series Desktop Processors
Chipset	AMD B550 Chipset
Memory	2 x DIMM slots, Max. 64GB, DDR4 5100(OC) / 4866(OC) / 4600(OC) / 4466(OC) / 4400(OC) / 4333(OC) / 4266(OC) / 4200(OC) / 4133(OC) / 4000(OC) / 3866(OC) / 3733(OC) / 3600(OC) / 3466(OC) / 3400(OC) / 3333(OC) / 3200 / 3000 / 2933 / 2800 / 2666 / 2400 / 2133, Un-buffered Memory
	Dual Channel Memory Architecture
	* ECC memory (ECC mode) support varies by CPU.
	* Supported memory types, data rate (speed), and number of DRAM modules vary depending on the CPU and memory configuration
Graphics	1 x DisplayPort
	1 x HDMI port
	* Graphics specifications may vary between CPU types. Please refer to AMD CPU specifications.
	** Supports max. 4K@60Hz as specified in DisplayPort 1.4.
	*** Supports 4K@60Hz as specified in HDMI 2.1.
Expansion Slots	AMD Ryzen 5000 Series/ 3000 Series Desktop Processors
	1 x PCIe 4.0 x16 slot (supports x16 mode)
	AMD Ryzen 5000 G-Series/ 4000 G-Series Desktop Processors
	1 x PCIe 3.0 x16 slot (supports x16 mode)
	AMD B550 Chipset
	1 x PCIe 3.0 x1 slot
Storage	Total supports 2 x M.2 slots and 4 x SATA 6Gb/s ports
	AMD Ryzen 5000 Series/ 3000 Series Desktop Processors
	M.2_1 slot (Key M), type 2242/2260/2280 (supports PCIe 4.0 x4 & SATA modes)
	AMD Ryzen 5000 G-Series/ 4000 G-Series Desktop Processors
	M.2_1 slot (Key M), type 2242/2260/2280 (supports PCIe 3.0 x4 & SATA modes)
	AMD B550 Chipset
	M.2_2 slot (Key M), type 2242 / 2260 / 2280 / 22110 (supports PCIe 3.0 x4 & SATA modes)
	4 x SATA 6Gb/s ports
	* AMD RAIDXpert2 Technology supports both PCIe RAID 0/1/10 and SATA RAID 0/1/10.
Ethernet	1 x Realtek 1Gb Ethernet

USB	Rear USB (Total 6 ports)
	4 x USB 3.2 Gen 1 (5G) ports (4 x Type-A)
	2 x USB 2.0 ports (2 x Type-A)
	Front USB (Total 7 ports)
	1 x USB 3.2 Gen 1 (5G) connector (supports USB Type-C)
	1 x USB 3.2 Gen 1 (5G) header supports 2 additional USB 3.2 Gen 1 ports
	2 x USB 2.0 headers support 4 additional USB 2.0 ports
Audio	Realtek 7.1 Surround Sound High Definition Audio CODEC
	- Supports: Jack-detection, Multi-streaming, Front Panel Jack-retasking
	- Supports up to 24-Bit/192 kHz playback
	Audio Features
	- Audio Shielding
	- Premium audio capacitors
	- Dedicated audio PCB layers
	* A chassis with an HD audio module in the front panel is required to support 7.1 Surround Sound audio output.
Back Panel I/O Ports	4 x USB 3.2 Gen 1 (5G) ports (4 x Type-A)
	2 x USB 2.0 ports (2 x Type-A)
	1 x DisplayPort
	1 x HDMI port
	1 x Realtek 1Gb Ethernet port
	3 x Audio jacks
	1 x PS/2 Keyboard/Mouse combo port

Internal I/O Connectors	Fan and Cooling related
	1 x 4-pin CPU Fan header
	2 x 4-pin Chassis Fan headers
	Power related
	1 x 24-pin Main Power connector
	1 x 8-pin +12V Power connector
	Storage related
	2 x M.2 slots (Key M)
	4 x SATA 6Gb/s ports
	USB
	1 x USB 3.2 Gen 1 (5G) connector (supports USB Type-C)
	1 x USB 3.2 Gen 1 (5G) header supports 2 additional USB 3.2 Gen 1 ports
	2 x USB 2.0 headers support 4 additional USB 2.0 ports
	Miscellaneous
	3 x Addressable Gen 2 headers
	1 x Clear CMOS header
	1 x COM Port header
	1 x Front Panel Audio header (AAFP)
	1 x S/PDIF Out header
	1 x Speaker header
	1 x SPI TPM header (14-1 pin)
	1 x 10-1 pin System Panel header
Special Features	ASUS 5X PROTECTION III
	- DIGI+ VRM
	- LANGuard
	- Overvoltage Protection
	- SafeSlot Core
	- Stainless-Steel Back I/O
	ASUS Q-Design
	- Q-DIMM
	- Q-LED Core
	- Q-Slot
	ASUS Thermal Solution
	- Aluminum heatsink design
	Aura Sync
	- Addressable Gen 2 headers

Software Features	ASUS Exclusive Software
	Armoury Crate
	- Aura Creator
	- Aura Sync
	AI Suite 3
	- Performance And Power Saving Utility
	TurboV EVO
	EPU
	DIGI+ VRM
	Fan Xpert 2+
	- EZ update
	ASUS CPU-Z
	Norton 360 Deluxe (60 Days Free Trial)
	WinRAR
	UEFI BIOS
	ASUS EZ DIY
	- ASUS CrashFree BIOS 3
	- ASUS EZ Flash 3
	- ASUS UEFI BIOS EZ Mode
BIOS	128 Mb Flash ROM, UEFI AMI BIOS
Manageability	WOL by PME, PXE
Accessories	Cables
	2 x SATA 6Gb/s cables
	Miscellaneous
	1 x I/O Shield
	1 x Screw package for M.2 SSD
	Documentation
	1 x User guide
Operating System	Windows 11, Windows 10 64-bit
Form Factor	micro-ATX Form Factor
	9.6 inch x 8.7 inch (24.4 cm x 22.1 cm)

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/ASUS-PRIME-B550M-K-ARGB-ASUS-PRIME-B550M-K-ARGB-AMD-Ryzen-5000-Series-Socket-AM4-p-294475.php

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