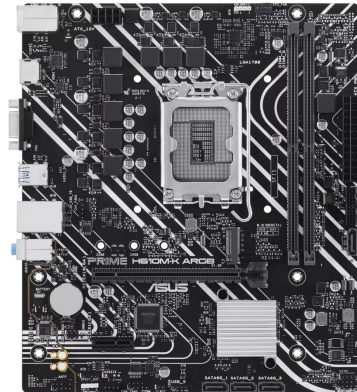


PRIME H610M-K ARGB

Asus PRIME H610M-K ARGB Intel 12th / 13th / 14th Gen Socket LGA 1700 mATX Motherboard

Product Overview

Asus PRIME H610M-K ARGB Intel 12th / 13th / 14th Gen Socket LGA 1700 mATX Motherboard, Intel H610 Chipset, 2x DDR5 DIMM Memory slots, 1x VGA Port, 1x HDMI Port, 1x PCI-e 4.0 x16 slot, 1x PCI-e 3.0 x1 slot, 1x M.2 slot supports PCI-e 3.0 x4 mode, 4x SATA 6Gb/s Ports, USB 3.2 Gen 1 (5G) Ports (Type-A), USB 2.0 Ports (Type-A), Realtek 7.1 Surround sound High Definition Audio Codec, 3x audio jacks, 1x PS/2 Keyboard/Mouse Combo Port





Specifications

Overview:

ASUS Prime series motherboards are expertly engineered to unleash the full potential of 14th, 13th & 12th Generation Intel processors. Boasting a robust power design, comprehensive cooling solutions and intelligent tuning options, Prime H610 provides users and PC DIY builders a range of performance tuning options via intuitive software and firmware features.

Comprehensive controls form the foundation of the ASUS Prime series. The Prime H610 motherboard packs flexible tools to tune every aspect of your system, enabling performance tweaks to perfectly match the way you work to maximize productivity.

The Energy Processing Unit (EPU) automatically optimizes power consumption and maximizes energy savings with Away mode - a smart setting that creates an extreme energy-saving scenario by shutting down unused I/O controllers.

The Asus Prime H610 series feature comprehensive cooling controls that are configurable via Fan Xpert 2+ software or via the UEFI BIOS. 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.

Prime H610 series are built to handle the additional cores and increased bandwidth of 14th, 13th & 12th Generation Intel processors. ASUS H610 motherboards provide all the fundamentals to boost daily productivity, so your system will be ready for action with stable power, intuitive cooling and flexible transfer options.

Comprehensive memory tuning options are the cornerstone of PRIME motherboards. With the PRIME H610M-K ARGB, you can extract all of the potential out of your DDR5 modules, whether they're from an extreme-speed kit or an entry-level set that would otherwise be locked. For those who want to fly past stock DDR5 speeds, the PRIME H610M-K ARGB is primed and ready for enthusiast-grade kits courtesy of Intel Extreme Memory Profile (XMP) support. Seasoned veterans can further tweak performance via the extensive array of settings in the UEFI.

PRIME H610M-K ARGB offers one M.2 slot that supports data-transfer speeds of up to 32Gbps via PCIe 3.0, enabling quicker boot-up and app load times with OS or application drives. Prime H610 motherboards are designed specifically for 14th, 13th & 12th Generation Intel Core CPUs and offer PCIe 4.0 connectivity for GPUs. The wide bandwidth and superfast transmission speeds allow you to create feature-rich builds that can handle high loads effortlessly.

A well-tuned enthusiast system deserves a matching aesthetic. ASUS Aura offers full RGB lighting control with a variety of functional presets for the built-in RGB LEDs as well as strips and devices connected to the onboard RGB headers - and it can all be synced with an ever-growing portfolio of Aura-capable hardware.

Features:

- Micro-ATX Form Factor
- Intel H610 Chipset
- Supports Intel Core 14th & 13th Gen Desktop Processors
- Support for DDR5 up to 5600MT/s, XMP supported
- PCIe 4.0 support for graphics cards
- 1Gb Ethernet support for faster data transfer

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Product Specification Sheet

- Aura Sync RGB Lighting

WHAT'S IN THE BOX:

- Asus PRIME H610M-K ARGB Intel LGA1700 M-ATX Motherboard - Black x1
- SATA Cables x2
- I/O Shield x1
- M.2 Anchor x1
- User Guide x1

Specifications:

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Specifications

Product Code	PRIME H610M-K ARGB
Model	PRIME H610M-K ARGB
CPU	Intel Socket LGA1700 for Intel Core 14th & 13th Gen Processors, Intel Core 12th Gen, Pentium Gold and Celeron Processors
	Supports Intel Turbo Boost Technology 2.0 and Intel Turbo Boost Max Technology 3.0
	** Intel Turbo Boost Max Technology 3.0 support depends on the CPU types.
Chipset	Intel H610 Chipset
Memory	2 x DIMM slots, Max. 96GB, DDR5 5600/5400/5200/5000/4800 Non-ECC, Un-buffered Memory
	Dual Channel Memory Architecture
	Supports Intel Extreme Memory Profile (XMP)
	* Supported memory types, data rate (speed), and number of DRAM modules vary depending on the CPU and memory configuration, for more information please refer to CPU/Memory Support list under the Support tab of product information site or visit
	* Non-ECC, un-buffered DDR5 memory supports On-Die ECC function.
Graphics	1 x VGA port
	1 x HDMI port
	* Graphics specifications may vary between CPU types.
	** Supports 4K@60Hz as specified in HDMI 2.1.
Expansion Slots	Intel Core Processors (14th & 13th & 12th Gen)
	1 x PCIe 4.0 x16 slot
	Intel H610 Chipset
	1 x PCIe 3.0 x1 slot
Storage	Total supports 1 x M.2 slot and 4 x SATA 6Gb/s ports
	Intel H610 Chipset
	M.2 slot (Key M), type 2242/2260/2280 (supports PCIe 3.0 x4 mode)
	4 x SATA 6Gb/s ports

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Product Specification Sheet

Ethernet	1 x Realtek 1Gb Ethernet
USB	Rear USB (Total 6 ports)
	2 x USB 3.2 Gen 1 (5G) ports (2 x Type-A)
	4 x USB 2.0 ports (4 x Type-A)
	Front USB (Total 3 ports)
	1 x USB 3.2 Gen 1 (5G) header supports 2 additional USB 3.2 Gen 1 ports
	1 x USB 2.0 header supports 1 additional USB 2.0 port
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	2 x USB 3.2 Gen 1 (5G) ports (2 x Type-A)
	4 x USB 2.0 ports (4 x Type-A)
	1 x VGA port
	1 x HDMI port
	1 x Realtek 1Gb Ethernet port
	3 x Audio jacks
	1 x PS/2 Keyboard/Mouse combo port

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Product Specification Sheet

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
	1 x M.2 slot (Key M)
	4 x SATA 6Gb/s ports
	USB
	1 x USB 3.2 Gen 1 (5G) header supports 2 additional USB 3.2 Gen 1 ports
	1 x USB 2.0 header supports 1 additional USB 2.0 port
	Miscellaneous
	2 x Addressable Gen 2 headers
	1 x Clear CMOS header
	1 x Front Panel Audio header (AAFP)
	1 x COM Port header
	1 x S/PDIF Out header
	1 x Speaker header
	1 x SPI TPM header (14-1pin)
	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 RGB headers

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Product Specification Sheet

Software Features	ASUS Exclusive Software
	Armoury Crate
	- Aura Creator
	- Aura Sync
	- Fan Xpert 2+
	- Two-Way AI Noise Cancellation
	AI Suite 3
	- EPU
	- DIGI+ VRM
	- PC Cleaner
	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 M.2 Anchor
	Documentation
	1 x User guide
Operating System	Windows 11, Windows 10 64-bit
Form Factor	micro-ATX Form Factor
	9.2 inch x 8.0 inch (23.4 cm x 20.3 cm)

Product Information Online

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

Product page: <https://www.comx.co.za/PRIME-H610M-K-ARGB-Asus-PRIME-H610M-K-ARGB-Intel-12th-Buy-p-321033.php>

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