



Model

PRIME H610M-A-CSM

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**

* Refer to www.asus.com for CPU support list.

** Intel® Turbo Boost Max Technology 3.0 support depends on the CPU types.

Chipset

Intel® H610 Chipset

Memoria

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 <https://www.asus.com/support/>

*Non-ECC, un-buffered DDR5 memory supports On-Die ECC function.

Gráficos

1 x DisplayPort**

1 x VGA port

1 x HDMI™ port***

* Graphics specifications may vary between CPU types. Please refer to www.intel.com for any updates.

** Supports max. 4K@60Hz as specified in DisplayPort 1.4.

*** Supports 4K@60Hz as specified in HDMI 2.1.

Ranuras de expansión

Intel® Core™ Processors (14th & 13th & 12th Gen)*

1 x PCIe 4.0 x16 slot

Intel® H610 Chipset

1 x PCIe 3.0 x1 slot

- To ensure compatibility of the device installed, please refer to <https://www.asus.com/support/> for the list of supported peripherals.

Almacenamiento

Total supports 2 x M.2 slots and 4 x SATA 6Gb/s ports

Intel® H610 Chipset

M.2_1 slot (Key M), type 2242/2260/2280 (supports PCIe 3.0 x4 mode)

M.2_2 slot (Key M), type 2242/2260/2280 (supports PCIe 3.0 x2 mode)

4 x SATA 6Gb/s ports

Ethernet

1 x Intel® 1Gb Ethernet

ASUS LANGuard

WiFi & Bluetooth

Vertical M.2 slot only (Key E, CNVi & PCIe)*

* Wi-Fi module is sold separately.

USB

Rear USB (Total 6 ports)

2 x USB 3.2 Gen 2 (10G) ports (2 x Type-A)

4 x USB 2.0 ports (4 x Type-A)

Front USB (Total 5 ports)

1 x USB 3.2 Gen 1(5G) header supports additional 2 USB 3.2 Gen 1 ports

1 x USB 2.0 header supports 1 USB 2.0 port

1 x USB 2.0 header supports additional 2 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.

Puertos E/S traseros

- 2 x USB 3.2 Gen 2 (10G) ports (2 x Type-A)
- 4 x USB 2.0 ports (4 x Type-A)
- 1 x DisplayPort
- 1 x VGA port
- 1 x HDMI™ port
- 1 x Vertical M.2 slot (Key E)
- 1 x Intel® 1Gb Ethernet port
- 3 x Audio jacks
- 1 x PS/2 Keyboard (purple) port
- 1 x PS/2 Mouse (green) port

Puertos E/S internos

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 header supports additional 2 USB 3.2 Gen 1 ports
- 1 x USB 2.0 header supports 1 USB 2.0 port
- 1 x USB 2.0 header supports additional 2 USB 2.0 ports

Miscellaneous

- 3 x Addressable Gen 2 headers

2 x AURA RGB 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

Tecnologías especiales

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

- VRM heatsink design

AURA Sync

- AURA RGB headers
- Addressable Gen 2 headers

Software

ASUS Exclusive Software

Armoury Crate

- Aura Creator
- Aura Sync
- Fan Xpert 2+
- Two-Way AI Noise Cancellation

AI Suite 3

- Performance And Power Saving Utility

TurboV EVO

EPU

- DIGI+ VRM

- PC Cleaner

ASUS CPU-Z

Norton 360 for 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

Manejabilidad

WOL by PME, PXE

Accesorios

Cables

2 x SATA 6Gb/s cables

Miscellaneous

1 x I/O Shield

1 x Screw package for M.2 SSD

Documentation

1 x ACC Express Activation Key Card

1 x User guide

Sistema operativo

Windows® 11 64-bit, Windows® 10 64-bit

Factor de forma

mATX Form Factor

9.6 inch x 8.5 inch (24.4 cm x 21.6 cm)