



## Model

PRIME H610M-A

## CPU

Intel® Socket LGA1700 for Intel® Core™ 14<sup>th</sup> & 13<sup>th</sup> Gen Processors, Intel® Core™ 12<sup>th</sup> 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](http://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](http://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 (14<sup>th</sup> & 13<sup>th</sup> & 12<sup>th</sup> 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 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 )