**ASUS**

# ASUS PRIME H610M-R D4 Intel H610 LGA 1700 micro ATX

**Brand :** ASUS

**Product code:** 90MB1B40-M0ECY0

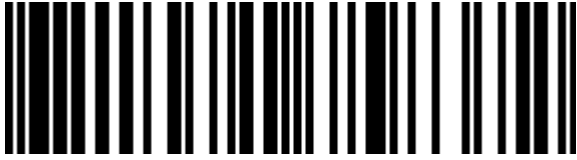**Product name :** PRIME H610M-R D4

- Intel® LGA 1700 socket: Ready for 12th Gen Intel® processors
- Comprehensive cooling: PCH heatsink
- Ultrafast connectivity: 32Gbps M.2 slot, Realtek 1 Gb Ethernet and USB 3.2 Gen 1
- 5X Protection III: Multiple hardware safeguards for all-round protection
mATX, Socket LGA 1700, Intel H610 Chipset, 2x DIMM DDR4, UEFI AMI BIOS
ASUS PRIME H610M-R D4. Processor manufacturer: Intel, Processor socket: LGA 1700, Compatible
processor series: Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9,
Intel Pentium G. Supported memory types: DDR4-SDRAM, Maximum internal memory: 64 GB, Memory
slots type: DIMM. Supported storage drive interfaces: M.2, SATA III, Supported storage drive types: HDD
& SSD. Maximum resolution: 3840 x 2160 pixels. USB connector type: USB Type-A

## Processor

| | |
|---|---|
| Processor manufacturer * | Intel |
| Processor socket * | LGA 1700 |
| Compatible processor series * | Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9, Intel Pentium G |
| Supported processor sockets | LGA 1700 |

## Memory

| | |
|---|---|
| Supported memory types * | DDR4-SDRAM |
| Number of memory slots * | 2 |
| Memory slots type | DIMM |
| Memory channels | Dual-channel |
| ECC compatibility | Non-ECC |
| Supported memory clock speeds | 2133,2400,2666,2800,2933,3000,3200 MHz |
| Maximum internal memory * | 64 GB |
| Unbuffered memory | ✔ |

## Storage controllers

| | |
|---|---|
| Supported storage drive types | HDD & SSD |
| Supported storage drive interfaces * | M.2, SATA III |
| Number of storage drives supported | 5 |

## Graphics

| | |
|---|---|
| Parallel processing technology support * | Not supported |
| Maximum resolution | 3840 x 2160 pixels |

## Internal I/O

| | |
|---|---|
| USB 2.0 connectors * | 2 |
| USB 3.2 Gen 1 (3.1 Gen 1) connectors * | 1 |
| Number of SATA III connectors * | 4 |

## Rear panel I/O ports

| | |
|---|---|
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 2 |
| Ethernet LAN (RJ-45) ports * | 1 |
| PS/2 ports quantity | 2 |
| VGA (D-Sub) ports quantity * | 1 |
| HDMI ports quantity * | 1 |
| HDMI version | 2.1 |
| DVI-D ports quantity * | 1 |
| Headphone outputs | 3 |
| Microphone in | ✔ |
| USB connector type | USB Type-A |

## Network

| | |
|---|---|
| Ethernet LAN | ✔ |
| Ethernet interface type | Gigabit Ethernet |
| Wake-on-LAN ready | ✔ |
| Wi-Fi * | ✘ |

## Features

| | |
|---|---|
| Motherboard chipset * | Intel H610 |
| Audio output channels * | 7.1 channels |
| Component for * | PC |
| Motherboard form factor * | micro ATX |
| Motherboard chipset family * | Intel |
| Windows operating systems supported | Windows 10 x64, Windows 11 x64 |

## Expansion slots

| | |
|---|---|
| PCI Express x1 (Gen 3.x) slots | 1 |
| PCI Express x16 (Gen 4.x) slots | 1 |

## Internal I/O

| | |
|---|---|
| Audio connector | ✔ |
| Front panel audio connector | ✔ |
| ATX Power connector (24-pin) | ✔ |
| CPU fan connector | ✔ |
| Number of chassis fan connectors | 1 |
| Chassis intrusion connector | ✔ |
| Number of COM connectors | 1 |
| TPM connector | ✔ |
| 12V power connector | ✔ |

## Rear panel I/O ports

| | |
|---|---|
| USB 2.0 ports quantity * | 2 |

## Expansion slots

| | |
|---|---|
| Number of M.2 (M) slots | 1 |

## BIOS

| | |
|---|---|
| BIOS type * | UEFI AMI |
| BIOS memory size | 128 Mbit |
| Clear CMOS jumper | ✔ |

## Logistics data

| | |
|---|---|
| Harmonized System (HS) code | 84733020 |

## Weight & dimensions

| | |
|---|---|
| Width | 226 mm |
| Depth | 193 mm |
| Height | 51 mm |

## Packaging content

| | |
|---|---|
| Cables included | SATA |
| Drivers included | ✔ |

## Other features

| | |
|---|---|
| Weight | 842 g |

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