

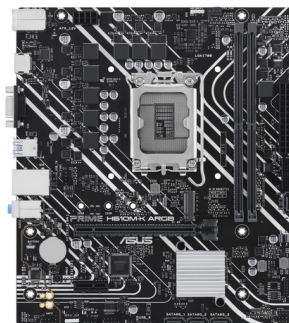
## ASUS PRIME H610M-K ARGB Intel H610 LGA 1700 micro ATX

**Brand :** ASUS

**Product code:** 90MB1G90-M0EAY0

**Product name :** PRIME H610M-K ARGB

- Intel LGA 1700 Socket: Ready for 13th and 12th Gen Intel processors
  - Ultrafast Connectivity: PCIe 4.0, 32Gbps M.2 slot, Realtek 1 Gb Ethernet and USB 3.2 Gen 1
  - Comprehensive Cooling: PCH heatsink and Fan Xpert 2+
  - Aura Sync RGB Lighting: Onboard Addressable Gen 2 headers for RGB LED strips, easily synced with Aura Sync-capable hardware
  - Two-Way AI Noise Cancellation: Reduces background noise from the microphone and audio output for crystal-clear communication in games or video conferences
- PRIME H610M-K ARGB Mainboard Socket Intel LGA1700 (H610, micro-ATX, DDR5, PCIe 4.0, M.2, SATA 6Gbit/s, Aura Sync)



| Processor                                |                                                                                                                            | Rear panel I/O ports                              |                                |
|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|--------------------------------|
| Processor manufacturer *                 | Intel                                                                                                                      | USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 2                              |
| Processor socket *                       | LGA 1700                                                                                                                   | Ethernet LAN (RJ-45) ports *                      | 1                              |
| Compatible processor series *            | Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9, Intel® Pentium®, Intel® Pentium® Gold | PS/2 ports quantity                               | 1                              |
|                                          |                                                                                                                            | VGA (D-Sub) ports quantity *                      | 1                              |
| Maximum number of SMP processors         | 1                                                                                                                          | HDMI ports quantity *                             | 1                              |
| Memory                                   |                                                                                                                            | HDMI version                                      | 2.1                            |
| Supported memory types *                 | DDR5-SDRAM                                                                                                                 | Headphone outputs                                 | 1                              |
| Number of memory slots *                 | 2                                                                                                                          | Line-in                                           | ✓                              |
| Memory slots type                        | DIMM                                                                                                                       | Microphone in                                     | ✓                              |
| Memory channels                          | Dual-channel                                                                                                               | Network                                           |                                |
| ECC compatibility                        | Non-ECC                                                                                                                    | Ethernet LAN                                      | ✓                              |
| Supported memory clock speeds            | 4800,5000,5200,5400,5600 MHz                                                                                               | Ethernet interface type                           | Gigabit Ethernet               |
| Supported memory clock speed (max)       | 5600 MHz                                                                                                                   | Wi-Fi *                                           | ✗                              |
| Maximum internal memory *                | 96 GB                                                                                                                      | Top Wi-Fi standard                                | Not available                  |
| Unbuffered memory                        | ✓                                                                                                                          | Features                                          |                                |
| Storage controllers                      |                                                                                                                            | Motherboard chipset *                             | Intel H610                     |
| Supported storage drive types            | HDD & SSD                                                                                                                  | Audio output channels *                           | 7.1 channels                   |
| Supported storage drive interfaces *     | M.2, SATA                                                                                                                  | Component for *                                   | PC                             |
| Number of HDDs supported                 | 4                                                                                                                          | Motherboard form factor *                         | micro ATX                      |
| Number of storage drives supported       | 5                                                                                                                          | Motherboard chipset family *                      | Intel                          |
| Graphics                                 |                                                                                                                            | Cooling type                                      | Passive                        |
| Parallel processing technology support * | Not supported                                                                                                              | Power source type                                 | ATX                            |
| Internal I/O                             |                                                                                                                            | Windows operating systems supported               | Windows 10 x64, Windows 11 x64 |
| USB 2.0 connectors *                     | 1                                                                                                                          | Expansion slots                                   |                                |
| USB 3.2 Gen 1 (3.1 Gen 1) connectors *   | 1                                                                                                                          | PCI Express x1 (Gen 3.x) slots                    | 1                              |
|                                          |                                                                                                                            | PCI Express x16 (Gen 4.x) slots                   | 1                              |
|                                          |                                                                                                                            | Number of M.2 (M) slots                           | 1                              |

| Internal I/O                     |   | BIOS                |          |
|----------------------------------|---|---------------------|----------|
| Number of SATA III connectors *  | 4 | BIOS type *         | UEFI AMI |
| S/PDIF out connector             | ✓ | BIOS memory size    | 128 Mbit |
| Front panel audio connector      | ✓ | Packaging data      |          |
| ATX Power connector (24-pin)     | ✓ | Package width       | 270 mm   |
| CPU fan connector                | ✓ | Package depth       | 263 mm   |
| Number of chassis fan connectors | 2 | Package height      | 51.5 mm  |
| EPS power connector (8-pin)      | ✓ | Package weight      | 820 g    |
| Number of COM connectors         | 1 | Weight & dimensions |          |
| TPM connector                    | ✓ | Width               | 234 mm   |
| 12V power connector              | ✓ | Depth               | 203 mm   |
| RGB LED pin header               | ✓ | Packaging content   |          |
| Rear panel I/O ports             |   | Cables included     | SATA     |
| USB 2.0 ports quantity *         | 4 | User guide          | ✓        |
|                                  |   | Other features      |          |
|                                  |   | Weight              | 470 g    |



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### Catalog Object Cloud



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