GIGABYTE

# GIGABYTE H810M K Motherboard - Intel Core Ultra (Series 2) CPUs, 3+1+2 Phases VRM, up to 6400MHz DDR5, 1xPCIe 4.0 M.2, 1GbE LAN, USB 3.2 Gen 1
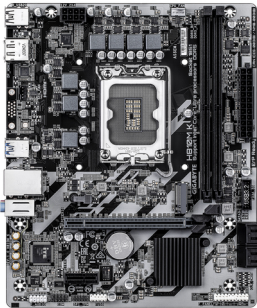
**Brand :** GIGABYTE

**Product code:** H810M K

**Product name :** H810M K Motherboard - Intel Core Ultra (Series 2) CPUs, 3+1+2 Phases VRM, up to 6400MHz DDR5, 1xPCIe 4.0 M.2, 1GbE LAN, USB 3.2 Gen 1

- Supports Intel Core Ultra processors (Series 2)
- Hybrid 3+1+2 phases VRM solution
- EZ-Latch: PCIe x16 Slot with Quick Release Design
- Friendly UI: Multi-Theme and Q-Flash Auto Scan in BIOS and SW
- Next Generation Storage: PCIe 4.0 x4 M.2 Connectors
- Fast Networking: GbE LAN
- Extended Connectivity: HDMI, DisplayPort
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Elevate your computing experience with GIGABYTE's renowned motherboard series: AORUS, AERO, and GIGABYTE. Featuring innovative designs and advanced features, these boards offer exceptional performance and reliability. Whether you're a gamer, content creator, or professional, our series cater to your needs, ensuring uncompromising quality and cutting-edge technology.

## Processor

| | |
|---|---|
| Processor manufacturer * | Intel |
| Processor socket * | LGA 1851 (Socket V1) |
| Compatible processor series * | Intel Core Ultra (Series 2) |
| Supported processor sockets | LGA 1851 |

## Memory

| | |
|---|---|
| Supported memory types * | DDR5-SDRAM |
| Number of memory slots * | 2 |
| Memory slots type | DIMM |
| Memory channels | Dual-channel |
| ECC compatibility | ECC & Non-ECC |
| Supported memory clock speeds | 5600,6400 MHz |
| Supported memory clock speed (max) | 6400 MHz |
| Maximum internal memory * | 128 GB |
| Unbuffered memory | ✔ |
| Maximum internal memory per slot | 64 GB |

## Storage controllers

| | |
|---|---|
| Supported storage drive types | HDD & SSD |
| Supported storage drive interfaces * | M.2, PCI Express 4.0, SATA III |
| Number of HDDs supported | 4 |
| Number of storage drives supported | 5 |
| RAID support | ✔ |
| RAID levels | 0, 1, 5, 10 |

## Graphics

| | |
|---|---|
| Parallel processing technology support * | Not supported |
| Maximum resolution | 4096 x 2160 pixels |
| HDCP | ✔ |
| DirectX version | 12.0 |

## Network

| | |
|---|---|
| Ethernet LAN | ✔ |
| Ethernet interface type | Gigabit Ethernet |
| LAN controller | Realtek RTL8111H |
| Wi-Fi * | ✗ |

## Features

| | |
|---|---|
| Motherboard chipset * | Intel H810 |
| Audio chip | Realtek ALC897 |
| Audio output channels * | 7.1 channels |
| Product colour | Dark brown |
| PC health monitoring | Fan, Temperature, Voltage, Water cooling |
| Component for * | PC |
| Motherboard form factor * | micro ATX |
| Motherboard chipset family * | Intel |
| Cooling type | Passive |
| Power source type | ATX |
| 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 |
| Number of M.2 (M) slots | 1 |
| 1st M.2 largest key size | 2280 |
| 1st M.2 highest PCI Express generation | 4.0 |

## BIOS

| | |
|---|---|
| BIOS type * | UEFI AMI |
| BIOS memory size | 256 Mbit |
| ACPI version | 5.0 |
| Clear CMOS jumper | ✔ |

## Internal I/O

| | |
|---|---|
| USB 2.0 connectors * | 1 |
| USB 3.2 Gen 1 (3.1 Gen 1) connectors * | 1 |
| Number of SATA III connectors * | 4 |
| Front panel audio connector | ✔ |
| Front panel connector | ✔ |
| ATX Power connector (24-pin) | ✔ |
| CPU fan connector | ✔ |
| Number of CPU fan connectors | 1 |
| Number of chassis fan connectors | 1 |
| EPS power connector (8-pin) | ✔ |
| Number of EPS power connectors (8-pin) | 1 |
| TPM connector | ✔ |
| Serial port headers | 1 |

## Rear panel I/O ports

| | |
|---|---|
| USB 2.0 ports quantity * | 4 |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 2 |
| Ethernet LAN (RJ-45) ports * | 1 |
| HDMI ports quantity * | 1 |
| HDMI version | 2.1 |
| DisplayPorts quantity | 1 |
| DisplayPort version | 2.1 |
| Headphone outputs | 1 |
| Line-in | ✔ |
| Microphone in | ✔ |

## BIOS

| | |
|---|---|
| Desktop Management Interface (DMI) version | 2.7 |
| System Management BIOS (SMBIOS) version | 2.7 |

## Logistics data

| | |
|---|---|
| Country of origin | China |
| Products per shipping (inner) case | 1 pc(s) |

## Battery

| | |
|---|---|
| Battery weight | 3 g |
| Lithium weight per battery | 0.07 g |
| Number of battery cells | 1 |
| Battery technology | Lithium-Manganese Dioxide (LiMnO2) |
| Battery type | CR2032 |

## Packaging data

| | |
|---|---|
| Package width | 265 mm |
| Package depth | 265 mm |
| Package height | 54 mm |
| Package weight | 766.6 g |

## Weight & dimensions

| | |
|---|---|
| Width | 226 mm |
| Depth | 185 mm |
| Height | 35 mm |

## Packaging content

| | |
|---|---|
| Batteries included | ✔ |
| Screws included | ✔ |
| Bundled software | Norton® Internet Security (OEM version) LAN bandwidth management software |

## Other features

| | |
|---|---|
| Weight | 688 g |

## Technical details

| | |
|---|---|
| Warranty period | 3 year(s) |

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**Catalog Object Cloud**