

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

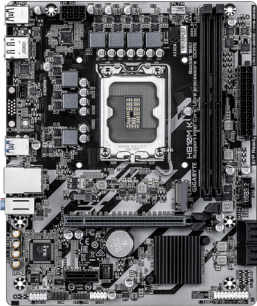
Product code: H810M K

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- 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                                |                                | Network                                |                                          |
|------------------------------------------|--------------------------------|----------------------------------------|------------------------------------------|
| Processor manufacturer *                 | Intel                          | Ethernet LAN                           | ✓                                        |
| Processor socket *                       | LGA 1851 (Socket V1)           | Ethernet interface type                | Gigabit Ethernet                         |
| Compatible processor series *            | Intel Core Ultra (Series 2)    | LAN controller                         | Realtek RTL8111H                         |
| Supported processor sockets              | LGA 1851                       | Wi-Fi *                                | ✗                                        |
| Memory                                   |                                | Features                               |                                          |
| Supported memory types *                 | DDR5-SDRAM                     | Motherboard chipset *                  | Intel H810                               |
| Number of memory slots *                 | 2                              | Audio chip                             | Realtek ALC897                           |
| Memory slots type                        | DIMM                           | Audio output channels *                | 7.1 channels                             |
| Memory channels                          | Dual-channel                   | Product colour                         | Dark brown                               |
| ECC compatibility                        | ECC & Non-ECC                  | PC health monitoring                   | Fan, Temperature, Voltage, Water cooling |
| Supported memory clock speeds            | 5600,6400 MHz                  | Component for *                        | PC                                       |
| Supported memory clock speed (max)       | 6400 MHz                       | Motherboard form factor *              | micro ATX                                |
| Maximum internal memory *                | 128 GB                         | Motherboard chipset family *           | Intel                                    |
| Unbuffered memory                        | ✓                              | Cooling type                           | Passive                                  |
| Maximum internal memory per slot         | 64 GB                          | Power source type                      | ATX                                      |
| Storage controllers                      |                                | Windows operating systems supported    | Windows 10 x64, Windows 11 x64           |
| Supported storage drive types            | HDD & SSD                      | Expansion slots                        |                                          |
| Supported storage drive interfaces *     | M.2, PCI Express 4.0, SATA III | PCI Express x1 (Gen 3.x) slots         | 1                                        |
| Number of HDDs supported                 | 4                              | PCI Express x16 (Gen 4.x) slots        | 1                                        |
| Number of storage drives supported       | 5                              | Number of M.2 (M) slots                | 1                                        |
| RAID support                             | ✓                              | 1st M.2 largest key size               | 2280                                     |
| RAID levels                              | 0, 1, 5, 10                    | 1st M.2 highest PCI Express generation | 4.0                                      |
| Graphics                                 |                                | BIOS                                   |                                          |
| Parallel processing technology support * | Not supported                  | BIOS type *                            | UEFI AMI                                 |
| Maximum resolution                       | 4096 x 2160 pixels             | BIOS memory size                       | 256 Mbit                                 |
| HDCP                                     | ✓                              | ACPI version                           | 5.0                                      |
| DirectX version                          | 12.0                           | Clear CMOS jumper                      | ✓                                        |

| Internal I/O                                      |     | BIOS                                       |                                                                           |
|---------------------------------------------------|-----|--------------------------------------------|---------------------------------------------------------------------------|
| USB 2.0 connectors *                              | 1   | Desktop Management Interface (DMI) version | 2.7                                                                       |
| USB 3.2 Gen 1 (3.1 Gen 1) connectors *            | 1   | System Management BIOS (SMBIOS) version    | 2.7                                                                       |
| Number of SATA III connectors *                   | 4   | Logistics data                             |                                                                           |
| Front panel audio connector                       | ✓   | Country of origin                          | China                                                                     |
| Front panel connector                             | ✓   | Products per shipping (inner) case         | 1 pc(s)                                                                   |
| ATX Power connector (24-pin)                      | ✓   | Battery                                    |                                                                           |
| CPU fan connector                                 | ✓   | Battery weight                             | 3 g                                                                       |
| Number of CPU fan connectors                      | 1   | Lithium weight per battery                 | 0.07 g                                                                    |
| Number of chassis fan connectors                  | 1   | Number of battery cells                    | 1                                                                         |
| EPS power connector (8-pin)                       | ✓   | Battery technology                         | Lithium-Manganese Dioxide (LiMnO2)                                        |
| Number of EPS power connectors (8-pin)            | 1   | Battery type                               | CR2032                                                                    |
| TPM connector                                     | ✓   | Packaging data                             |                                                                           |
| Serial port headers                               | 1   | Package width                              | 265 mm                                                                    |
| Rear panel I/O ports                              |     | Package depth                              | 265 mm                                                                    |
| USB 2.0 ports quantity *                          | 4   | Package height                             | 54 mm                                                                     |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 2   | Package weight                             | 766.6 g                                                                   |
| Ethernet LAN (RJ-45) ports *                      | 1   | Weight & dimensions                        |                                                                           |
| HDMI ports quantity *                             | 1   | Width                                      | 226 mm                                                                    |
| HDMI version                                      | 2.1 | Depth                                      | 185 mm                                                                    |
| DisplayPorts quantity                             | 1   | Height                                     | 35 mm                                                                     |
| DisplayPort version                               | 2.1 | Packaging content                          |                                                                           |
| Headphone outputs                                 | 1   | Batteries included                         | ✓                                                                         |
| Line-in                                           | ✓   | Screws included                            | ✓                                                                         |
| Microphone in                                     | ✓   | 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**



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