

GIGABYTE H810M S2H Motherboard - Intel Core Ultra (Series 2) CPUs, 4+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 S2H

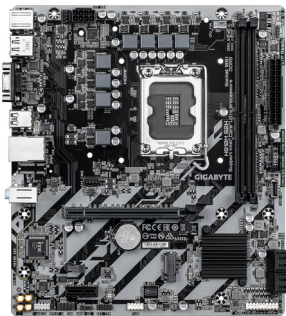
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- Supports Intel Core Ultra processors (Series 2)
- Hybrid 4+1+2 phases VRM solution
- EZ-Latch: PCIe x16 Slot with Quick Release Design
- Friendly UI: Multi-Theme and Q-Flash Auto Scan in BIOS and SW
- Next Generation Storage: PCIe 4.0 x4 M.2 Connectors
- Fast Networking: GbE LAN
- Extended Connectivity: DisplayPort, HDMI

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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



| Processor                                |                                | Rear panel I/O ports                |  |
|--|--------------------------------|-------------------------------------|--|
| Processor manufacturer *                 | Intel                          | DisplayPort version                 | 2.1                                      |
| Processor socket *                       | LGA 1851 (Socket V1)           | Headphone outputs                   | 1  |
| Compatible processor series *            | Intel Core Ultra (Series 2)    | Line-in                             | ✓  |
| Supported processor sockets              | LGA 1851                       | Microphone in                       | ✓  |
| Memory                                   |                                | Network                             |  |
| Supported memory types *                 | DDR5-SDRAM                     | Ethernet LAN                        | ✓  |
| Number of memory slots *                 | 2                              | Ethernet interface type             | Gigabit Ethernet                         |
| Memory slots type                        | DIMM                           | LAN controller                      | Realtek RTL8111H                         |
| Memory channels                          | Dual-channel                   | Wi-Fi *                             | ✗  |
| ECC compatibility                        | ECC & Non-ECC                  | Features                            |  |
| Supported memory clock speeds            | 5600,6400 MHz                  | Motherboard chipset *               | Intel H810                               |
| Supported memory clock speed (max)       | 6400 MHz                       | Audio chip                          | Realtek ALC897                           |
| Maximum internal memory *                | 128 GB                         | Audio output channels *             | 7.1 channels                             |
| Unbuffered memory                        | ✓                              | Product colour                      | Dark brown                               |
| Maximum internal memory per slot         | 64 GB                          | PC health monitoring                | Fan, Temperature, Voltage, Water cooling |
| Storage controllers                      |                                | Component for *                     | PC                                       |
| Supported storage drive types            | HDD & SSD                      | Motherboard form factor *           | micro ATX                                |
| Supported storage drive interfaces *     | M.2, PCI Express 4.0, SATA III | Motherboard chipset family *        | Intel                                    |
| Number of HDDs supported                 | 4                              | Cooling type                        | Passive                                  |
| Number of storage drives supported       | 5                              | Power source type                   | ATX                                      |
| RAID support                             | ✓                              | Windows operating systems supported | Windows 10 x64, Windows 11 x64           |
| RAID levels                              | 0, 1, 5, 10                    | Expansion slots                     |  |
| Graphics                                 |                                | PCI Express x1 (Gen 3.x) slots      | 1  |
| Parallel processing technology support * | Not supported                  | PCI Express x16 (Gen 4.x) slots     | 1  |
| Maximum resolution                       | 4096 x 2160 pixels             | Number of M.2 (M) slots             | 1  |
| HDCP                                     | ✓                              |                                     |  |

| Graphics  |      | Expansion slots                            |   |
|---|------|--|---|
| DirectX version                                   | 12.0 | 1st M.2 largest key size                   | 2280  |
| Internal I/O                                      |      | 1st M.2 highest PCI Express generation     | 4.0   |
| USB 2.0 connectors *                              | 1    | BIOS                                       |   |
| USB 3.2 Gen 1 (3.1 Gen 1) connectors *            | 2    | BIOS type *                                | UEFI AMI  |
| Number of SATA III connectors *                   | 4    | BIOS memory size                           | 256 Mbit  |
| S/PDIF out connector                              | ✓    | ACPI version                               | 5.0   |
| Front panel audio connector                       | ✓    | Clear CMOS jumper                          | ✓   |
| Front panel connector                             | ✓    | Desktop Management Interface (DMI) version | 2.7   |
| ATX Power connector (24-pin)                      | ✓    | System Management BIOS (SMBIOS) version    | 2.7   |
| CPU fan connector                                 | ✓    | Logistics data                             |   |
| Number of CPU fan connectors                      | 1    | Products per shipping (inner) case         | 1 pc(s)   |
| Number of chassis fan connectors                  | 2    | Battery                                    |   |
| EPS power connector (8-pin)                       | ✓    | Battery weight                             | 3 g   |
| Number of EPS power connectors (8-pin)            | 1    | Lithium weight per battery                 | 0.07 g  |
| TPM connector                                     | ✓    | Number of battery cells                    | 1   |
| Serial port headers                               | 1    | Battery technology                         | Lithium-Manganese Dioxide (LiMnO2)  |
| RGB LED pin header                                | ✓    | Battery type                               | CR2032  |
| Number of RGB LED pin headers                     | 2    | Packaging data                             |   |
| Rear panel I/O ports                              |      | Package width                              | 265 mm  |
| USB 2.0 ports quantity *                          | 5    | Package depth                              | 265 mm  |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 1    | Package height                             | 54 mm   |
| Ethernet LAN (RJ-45) ports *                      | 1    | Package weight                             | 872 g   |
| PS/2 ports quantity                               | 1    | Weight & dimensions                        |   |
| VGA (D-Sub) ports quantity *                      | 1    | Width                                      | 244 mm  |
| HDMI ports quantity *                             | 1    | Depth                                      | 215 mm  |
| HDMI version                                      | 2.1  | Height                                     | 35 mm   |
| DisplayPorts quantity                             | 1    | Packaging content                          |   |
|   |      | Batteries included                         | ✓   |
|   |      | Screws included                            | ✓   |
|   |      | Bundled software                           | Norton® Internet Security (OEM version) LAN bandwidth management software |
|   |      | Other features                             |   |
|   |      | Weight                                     | 790 g   |
|   |      | Technical details                          |   |
|   |      | Warranty period                            | 3 year(s)   |



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