

**GIGABYTE H510M S2H V3 Motherboard - Supports Intel Core 11th CPUs, up to 3200MHz DDR4 (OC), 1xPCIe 3.0 M.2, GbE LAN, USB 3.2 Gen 1**

**Brand :** GIGABYTE

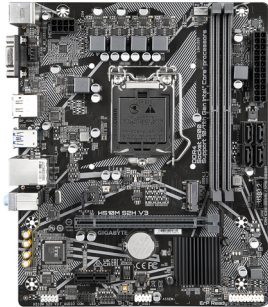
**Product code:** H510M S2H V3

**Product name :** H510M S2H V3 Motherboard - Supports Intel Core 11th CPUs, up to 3200MHz DDR4 (OC), 1xPCIe 3.0 M.2, GbE LAN, USB 3.2 Gen 1

- Supports 11th/10th Gen Intel® Core™ Processors
  - Dual Channel Non-ECC Unbuffered DDR4, 2 DIMMs
  - 8-Channel HD Audio with High Quality Audio Capacitors
  - NVMe PCIe Gen3 x4 2280 M.2 Connector
  - GbE LAN with Bandwidth Management
  - Smart Fan 5 features Multiple Temperature Sensors and Hybrid Fan Headers with FAN STOP
  - GIGABYTE APP Center, Simple and Easy Use
  - Anti-Sulfur Resistors Design
- LGA1200, Intel H470, 2 x DDR4, 3200 MHz, 1 x DisplayPort, 1 x HDMI port, 1 x D-Sub, Micro ATX

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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                                      |                                      | Rear panel I/O ports                |                                |
|--|--------------------------------------|-------------------------------------|--------------------------------|
| Processor manufacturer *                       | Intel                                | Ethernet LAN (RJ-45) ports *        | 1                              |
| Processor socket *                             | LGA 1200 (Socket H5)                 | PS/2 ports quantity                 | 2                              |
| Compatible processor series *                  | Intel® Celeron®, Intel® Core™ i3,    | VGA (D-Sub) ports quantity *        | 1                              |
|  | Intel® Core™ i5, Intel® Core™ i7,    | HDMI ports quantity *               | 1                              |
| Supported processor sockets                    | Intel® Core™ i9, Intel® Pentium®     | DisplayPorts quantity               | 1                              |
|  | LGA 1200 (Socket H5)                 | DisplayPort version                 | 1.2                            |
| Maximum internal memory supported by processor | 64 GB                                | Microphone in                       | ✓                              |
| Memory   |                                      | USB connector type                  | USB Type-A                     |
| Supported memory types *                       | DDR4-SDRAM                           | Network                             |                                |
| Number of memory slots *                       | 2                                    | Ethernet LAN                        | ✓                              |
| Memory slots type                              | DIMM                                 | Ethernet interface type             | Gigabit Ethernet               |
| Memory channels                                | Dual-channel                         | Wi-Fi *                             | ✗                              |
| ECC  | ✓                                    | Features                            |                                |
| Non-ECC  | ✓                                    | Motherboard chipset *               | Intel H470 Express             |
| Supported memory clock speeds                  | 2133,2400,2666,2933,3000,3200 MHz    | Audio output channels *             | 7.1 channels                   |
|  | 3200 MHz                             | Product colour                      | Brown                          |
| Supported memory clock speed (max)             | 3200 MHz                             | PC health monitoring                | Fan, Temperature, Voltage      |
| Maximum internal memory *                      | 64 GB                                | Component for *                     | PC                             |
| Supported memory module capacities             | 1GB, 2GB, 4GB, 8GB, 12GB, 16GB, 32GB | Motherboard form factor *           | micro ATX                      |
| Unbuffered memory                              | ✓                                    | Motherboard chipset family *        | Intel                          |
| 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 3.0, SATA III       | PCI Express x1 slots                | 2                              |
| Number of HDDs supported                       | 4                                    | PCI Express x16 slots               | 1                              |
| Number of storage drives supported             | 5                                    | Number of M.2 (M) slots             | 1                              |
| Graphics                                       |                                      | BIOS                                |                                |
| Parallel processing technology support *       | Not supported                        | BIOS type *                         | UEFI AMI                       |
| Maximum resolution                             | 4096 x 2304 pixels                   | BIOS memory size                    | 128 Mbit                       |
|  |                                      | ACPI version                        | 5.0                            |

| Graphics  |      | BIOS                                       |                                    |
|---|------|--|------------------------------------|
| HDCP  | ✓    | Clear CMOS jumper                          | ✓                                  |
| DirectX version                                   | 12.0 | Desktop Management Interface (DMI) version | 2.7                                |
| Number of displays supported                      | 2    | System Management BIOS (SMBIOS) version    | 2.7                                |
| Internal I/O                                      |      | Logistics data                             |                                    |
| USB 2.0 connectors *                              | 1    | Country of origin                          | China                              |
| USB 3.2 Gen 1 (3.1 Gen 1) connectors *            | 1    | Products per shipping (inner) case         | 1 pc(s)                            |
| Number of SATA III connectors *                   | 4    | Battery                                    |                                    |
| Total number of SATA connectors                   | 4    | Battery weight                             | 3 g                                |
| Front panel audio connector                       | ✓    | Lithium weight per battery                 | 0.07 g                             |
| Front panel connector                             | ✓    | Number of battery cells                    | 1                                  |
| ATX Power connector (24-pin)                      | ✓    | Battery technology                         | Lithium-Manganese Dioxide (LiMnO2) |
| CPU fan connector                                 | ✓    | Battery type                               | CR2032                             |
| Number of chassis fan connectors                  | 2    | Packaging data                             |                                    |
| EPS power connector (8-pin)                       | ✓    | Package width                              | 265 mm                             |
| TPM connector                                     | ✓    | Package depth                              | 235 mm                             |
| Serial port headers                               | 1    | Package height                             | 52 mm                              |
| 12V power connector                               | ✓    | Package weight                             | 760 g                              |
| RGB LED pin header                                | ✓    | Weight & dimensions                        |                                    |
| Rear panel I/O ports                              |      | Width                                      | 226 mm                             |
| USB 2.0 ports quantity *                          | 4    | Depth                                      | 185 mm                             |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 2    | Height                                     | 35 mm                              |
|   |      | Packaging content                          |                                    |
|   |      | Cables included                            | SATA                               |
|   |      | Batteries included                         | ✓                                  |
|   |      | Drivers included                           | ✓                                  |
|   |      | Technical details                          |                                    |
|   |      | Warranty period                            | 3 year(s)                          |



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