GIGABYTE

# Gigabyte H510M S2H V3 (rev. 1.0) Intel H470 Express LGA 1200 micro ATX
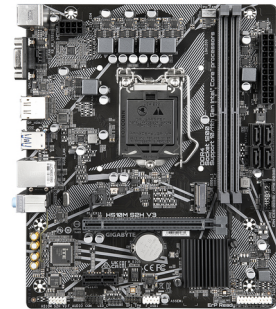
**Brand :** Gigabyte

**Product name :** H510M S2H V3 (rev. 1.0)

**Product code:** H510M S2H V3

- 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
Gigabyte H510M S2H V3 (rev. 1.0). Processor manufacturer: Intel, Processor socket: LGA 1200,
Compatible processor series: Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7,
Intel® Core™ i9, Intel® Pentium®. Supported memory types: DDR4-SDRAM, Maximum internal memory:
64 GB, Memory slots type: DIMM. Supported storage drive interfaces: M.2, PCI Express 3.0, SATA III,
Supported storage drive types: HDD & SSD. Maximum resolution: 4096 x 2304 pixels. USB connector
type: USB Type-A

## Processor

| | |
|---|---|
| Processor manufacturer * | Intel |
| Processor socket * | LGA 1200 |
| Compatible processor series * | Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9, Intel® Pentium® |
| Supported processor sockets | LGA 1200 (Socket H5) |

## Memory

| | |
|---|---|
| Supported memory types * | DDR4-SDRAM |
| Number of memory slots * | 2 |
| Memory slots type | DIMM |
| Memory channels | Dual-channel |
| ECC | ✓ |
| Non-ECC | ✓ |
| Supported memory clock speeds * | 2133,2400,2666,2933,3000,3200 MHz |
| Maximum internal memory * | 64 GB |
| Unbuffered memory | ✓ |

## Storage controllers

| | |
|---|---|
| Supported storage drive types | HDD & SSD |
| Supported storage drive interfaces * | M.2, PCI Express 3.0, SATA III |
| Number of storage drives supported | 5 |

## Graphics

| | |
|---|---|
| Parallel processing technology support * | Not supported |
| Maximum resolution | 4096 x 2304 pixels |
| HDCP | ✓ |
| Number of displays supported | 2 |

## 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 |

## 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 |
| PS/2 ports quantity | 2 |
| VGA (D-Sub) ports quantity * | 1 |
| HDMI ports quantity * | 1 |
| DisplayPorts quantity | 1 |
| DisplayPort version | 1.2 |
| Microphone in | ✓ |
| USB connector type | USB Type-A |

## Network

| | |
|---|---|
| Ethernet LAN | ✓ |
| Ethernet interface type | Gigabit Ethernet |
| Wi-Fi * | ✗ |

## Features

| | |
|---|---|
| Motherboard chipset * | Intel H470 Express |
| Audio output channels * | 7.1 channels |
| PC health monitoring | Fan, Temperature, Voltage |
| Component for * | PC |
| Motherboard form factor * | micro ATX |
| Motherboard chipset family * | Intel |
| Windows operating systems supported | Windows 10 x64 |

## Expansion slots

| | |
|---|---|
| PCI Express x1 slots | 2 |
| PCI Express x16 slots | 1 |
| Number of M.2 (M) slots | 1 |

## BIOS

| | |
|---|---|
| BIOS type * | UEFI AMI |
| BIOS memory size | 128 Mbit |

| Internal I/O | |
|---|---|
| Front panel audio connector | ✓ |
| Front panel connector | ✓ |
| ATX Power connector (24-pin) | ✓ |
| CPU fan connector | ✓ |
| Number of chassis fan connectors | 2 |
| EPS power connector (8-pin) | ✓ |
| TPM connector | ✓ |
| Serial port headers | 1 |
| 12V power connector | ✓ |
| RGB LED pin header | ✓ |

| BIOS | |
|---|---|
| ACPI version | 5.0 |
| Clear CMOS jumper | ✓ |
| Desktop Management Interface (DMI) version | 2.7 |
| System Management BIOS (SMBIOS) version | 2.7 |

| Weight & dimensions | |
|---|---|
| Width | 226 mm |
| Depth | 185 mm |
| Height | 52 mm |

| Packaging content | |
|---|---|
| Cables included | SATA |
| Drivers included | ✓ |

| Other features | |
|---|---|
| Weight | 385 g |

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