

## GIGABYTE H510M S2H Intel 10th and 11th Gen Micro ATX Motherboard

Sale Price: 10500.0



PRODUCT ID: 02660

### Basic Information

|               |   |
|---------------|---|
| Supported CPU | 11th Generation Intel Core i9 processors / Intel Core i7 processors / Intel Core i5 processors<br>10th Generation Intel Core i9 processors / Intel Core i7 processors / Intel Core i5 processors / Intel Core i3 processors / Intel Pentium processors / Intel Celeron processors<br>* Limited to processors with 4 MB Intel Smart Cache, Intel Celeron G5xx5 family. |
| Chipset       | Intel H510 Express Chipset  |
| BIOS          | 1 x 256 Mbit flash<br>Use of licensed AMI UEFI BIOS<br>PnP 1.0a, DMI 2.7, WfM 2.0, SM BIOS 2.7, ACPI 5.0  |
| Form Factor   | Micro ATX Form Factor; 24.4cm x 21.0cm  |
| Audio         | Realtek Audio CODEC<br>High Definition Audio<br>2/4/5.1/7.1-channel   |

### Expansion

#### Slots

|            |  |
|------------|--|
| PCI        | 1 x PCI Express x16 slot, running at x16<br>(The PCI Express x16 slot conforms to PCI Express 4.0 standard.)<br>* Supported by 11th Generation processors only.<br>2 x PCI Express x1 slots<br>(The PCI Express x1 slots conform to PCI Express 3.0 standard.) |
| M.2 Socket | 1 x M.2 connector (Socket 3, M key, type 2260/2280 SATA and PCIe 3.0 x4/x2 SSD support)  |

### Memory

|       |                                  |
|-------|----------------------------------|
| Type  | Dual channel memory architecture |
| Slots | 2 x DDR4 DIMM                    |

## Basic Information

|                  |   |
|------------------|---|
| Supported Memory | <p>11th Generation Intel Core i9/i7/i5 processors:<br/>                 Support for DDR4 3200/3000/2933/2666/2400/2133 MHz memory modules</p> <p>10th Generation Intel Core i9/i7 processors:<br/>                 Support for DDR4 2933/2666/2400/2133 MHz memory modules</p> <p>10th Generation Intel Core i5/i3/Pentium/Celeron processors:<br/>                 Support for DDR4 2666/2400/2133 MHz memory modules</p> <p>2 x DDR4 DIMM sockets supporting up to 64 GB (32 GB single DIMM capacity) of system memory</p> <p>Dual channel memory architecture</p> <p>Support for ECC Un-buffered DIMM 1Rx8/2Rx8 memory modules (operate in non-ECC mode)</p> <p>Support for non-ECC Un-buffered DIMM 1Rx8/2Rx8/1Rx16 memory modules</p> <p>Support for Extreme Memory Profile (XMP) memory modules</p> |
| Maximum Memory   | 64 GB (32 GB single DIMM capacity)  |

## Graphics

|          |   |
|----------|---|
| Graphics | <p>Integrated Graphics Processor-Intel HD Graphics support:</p> <p>1 x D-Sub port, supporting a maximum resolution of 1920x1200@60 Hz</p> <p>* When the D-Sub port and DisplayPort are connected at the same time, images will output from the DisplayPort only.</p> <p>1 x DVI-D port, supporting a maximum resolution of 1920x1200@60 Hz</p> <p>* The DVI-D port does not support D-Sub connection by adapter.</p> <p>1 x HDMI ports, supporting a maximum resolution of 4096x2160@30 Hz</p> <p>* Support for HDMI 1.4 version and HDCP 2.3.</p> <p>1 x DisplayPort, supporting a maximum resolution of 4096x2304@60 Hz</p> <p>* Support for DisplayPort 1.2 version and HDCP 2.3</p> <p>* When the D-Sub port and DisplayPort are connected at the same time, images will output from the DisplayPort only.</p> <p>Support for up to 2 displays at the same time</p> |
|----------|---|

## Connector & Ports

|                  |   |
|------------------|---|
| HDMI             | 1 x HDMI ports, supporting a maximum resolution of 4096x2160@30 Hz  |
| Display Port (s) | 1 x DisplayPort, supporting a maximum resolution of 4096x2304@60 Hz   |
| D-Sub (s)        | 1 x D-Sub port  |
| DVI-D (s)        | 1 x DVI-D port  |
| USB (s)          | <p>Chipset:<br/>                 4 x USB 3.2 Gen 1 ports (2 ports on the back panel, 2 ports available through the internal USB header)</p> <p>Chipset+USB 2.0 Hub:<br/>                 8 x USB 2.0/1.1 ports (4 ports on the back panel, 4 ports available through the internal USB header)</p> |
| LAN Port (s)     | Realtek GbE LAN chip (1 Gbit/100 Mbit)  |

## Basic Information

|                               |   |
|-------------------------------|---|
| Supported Storage             | 1 x M.2 connector (Socket 3, M key, type 2260/2280 SATA and PCIe 3.0 x4/x2 SSD support)<br>* The PCIEX1_1 slot shares bandwidth with the M.2 connector. When the PCIEX1_1 slot is populated, the M.2 connector supports up to PCIe 3.0 x2 SSD only.<br>4 x SATA 6Gb/s connectors  |
| Audio                         | 3 x audio jacks   |
| Internal I/O Ports            | 1 x 24-pin ATX main power connector<br>1 x 8-pin ATX 12V power connector<br>4 x SATA 6Gb/s connectors<br>1 x CPU fan header<br>2 x system fan headers<br>1 x RGB LED strip header<br>1 x front panel header<br>1 x front panel audio header<br>1 x speaker header<br>1 x USB 3.2 Gen 1 header<br>2 x USB 2.0/1.1 headers<br>1 x serial port header<br>1 x Clear CMOS jumper |
| TPM (Trusted Platform Module) | 1 x Trusted Platform Module header (For the GC-TPM2.0 SPI/GC-TPM2.0 SPI 2.0 module only)  |

## Others

|                  |   |
|------------------|---|
| Special Features | Support for APP Center @BIOS<br>Ambient LED<br>EasyTune<br>Fast Boot<br>Game Boost<br>ON/OFF Charge<br>Smart Backup<br>System Information Viewer<br>Support for Q-Flash<br>Support for Xpress Install |
| Bundled Software | Norton Internet Security (OEM version)<br>Realtek 8118 Gaming LAN Bandwidth Control Utility   |

## Warranty Information

|                        |         |
|------------------------|---------|
| Manufacturing Warranty | 3 years |
|------------------------|---------|



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