

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

Sale Price: 9800.0



PRODUCT ID: 02658

### Basic Information

Supported CPU	11th Generation Intel Core i9 processors / Intel Core i7 processors / Intel Core i5 processors 10th Generation Intel Core i9 processors / Intel Core i7 processors / Intel Core i5 processors / Intel Core i3 processors/ Intel Pentium processors / Intel Celeron processors * Limited to processors with 4 MB Intel Smart Cache, Intel Celeron G5xx5 family.
Chipset	Intel H510 Express Chipset
BIOS	1 x 256 Mbit flash Use of licensed AMI UEFI BIOS 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 High Definition Audio 2/4/5.1/7.1-channel

### Expansion Slots

PCI	1 x PCI Express x16 slot, running at x16 (PCIEX16) * For optimum performance, if only one PCI Express graphics card is to be installed, be sure to install it in the PCIEX16 slot. (The PCIEX16 slot conforms to PCI Express 4.0 standard.) * Supported by 11th Generation processors only. 1 x PCI Express x1 slot (PCIEX1_1) (The PCIEX1 slot conforms to PCI Express 3.0 standard.)
M.2 Socket	1 x M.2 connector (Socket 3, M key, type 2260/2280/22110 SATA and PCIe 3.0 x4/x2 SSD support) 4 x SATA 6Gb/s connectors * Refer to "1-7 Internal Connectors," for the installation notices for the M.2 and SATA connectors.

### Memory

## Basic Information

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

## Graphics

Graphics	Integrated Graphics Processor-Intel HD Graphics support: 1 x D-Sub port, supporting a maximum resolution of 1920x1200@60 Hz 1 x HDMI port, supporting a maximum resolution of 4096x2160@30 Hz * Support for HDMI 1.4 version and HDCP 2.3.
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## Connector & Ports

HDMI	1 x HDMI ports, supporting a maximum resolution of 4096x2160@30 Hz
D-Sub (s)	1 x D-Sub port
USB (s)	Chipset: 4 x USB 3.2 Gen 1 ports (2 ports on the back panel, 2 ports available through the internal USB header) 6 x USB 2.0/1.1 ports (4 ports on the back panel, 2 ports available through the internal USB header)
LAN Port (s)	Realtek GbE LAN chip (1 Gbit/100 Mbit)
Supported Storage	1 x M.2 connector (Socket 3, M key, type 2260/2280/22110 SATA and PCIe 3.0 x4/x2 SSD support) 4 x SATA 6Gb/s connectors * Refer to "1-7 Internal Connectors," for the installation notices for the M.2 and SATA connectors.
Audio	3 x audio jacks

## Basic Information

Internal I/O Ports	1 x 24-pin ATX main power connector 1 x 8-pin ATX 12V power connector 1 x CPU fan header 1 x system fan header 1 x RGB LED strip header 1 x M.2 Socket 3 connector 4 x SATA 6Gb/s connectors 1 x front panel header 1 x front panel audio header 1 x USB 3.2 Gen 1 header 1 x USB 2.0/1.1 header 1 x serial port header 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 Ambient LED EasyTune Fast Boot Game Boost ON/OFF Charge Smart Backup System Information Viewer Support for Q-Flash Support for Xpress Install
Bundled Software	Norton Internet Security (OEM version) Realtek 8118 Gaming LAN Bandwidth Control Utility

## Warranty Information

Manufacturing Warranty	3 years
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