



GIGABYTE H510M H Motherboard

Product Specification

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| Brand                                  | GIGABYTE   |
| Model                                  | H510M H  |
| Type                                   | Motherboard  |
| Chipset                                | Intel H510 Express Chipset   |
| Supported                              | Intel Core i7   i5   i9   Pentium   Celeron in LGA1200 Processors  |
| Memory Supports                        | 11th Generation Intel Core i9/i7/i5 processors   10th Generation Intel Core i9/i7 processors   10th Generation Intel Core i5/i3/Pentium/Celeron processors     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 |
| Type of Graphics (onboard / Dedicated) | 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   |
| WLAN                                   | Realtek GbE LAN chip (1 Gbit/100 Mbit)   |
| Audio                                  | Realtek Audio CODEC   High Definition Audio   2/4/5.1/7.1-channel  |
| Expansion Slots                        | 1 x PCI Express x16 slot, running at x16 (PCIEX16)   1 x PCI Express x1 slot (PCIEX1_1)  |
| Storage Interface                      | 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  |

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| USB Ports                | 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)  |
| Internal I/O Connectors  | 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 Trusted Platform Module header (For the GC-TPM2.0 SPI/GC-TPM2.0 SPI 2.0 module only)   1 x serial port header   1 x Clear CMOS jumper |
| Back Panel Connectors    | 1 x PS/2 keyboard/mouse port   1 x D-Sub port   1 x HDMI port   2 x USB 3.2 Gen 1 ports   4 x USB 2.0/1.1 ports   1 x RJ-45 port   3 x audio jacks   |
| I/O                      | iTE I/O Controller Chip  |
| H/W Monitoring           | Voltage detection   Temperature detection   Fan speed detection   Fan fail warning   Fan speed control   |
| 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   |
| Unique Features          | Support for APP Center   Support for Q-Flash   Support for Xpress Install  |
| Operating System Support | Support for Windows 10 64-bit  |
| Form Factor              | Micro ATX Form Factor; 24.4cm x 21.0cm   |