



Home > Placas-mãe > [H510M H](#)

# H510M H (rev. 1.0/1.1/1.5)

[rev. 1.7](#) [rev. 1.3/1.6](#)

[Características](#) [Especificação](#) [Suporte](#) [Compre](#)

Intel® H510 Chipset

[Lista de Comparativos](#)

LGA1200 package:

## CPU

1. 11th Generation Intel® Core™ i9 processors / Intel® Core™ i7 processors / Intel® Core™ i5 processors
2. 10th Generation Intel® Core™ i9 processors / Intel® Core™ i7 processors / Intel® Core™ i5 processors / Intel® Core™ i3 processors / Intel® Pentium® processors / Intel® Celeron® processors
3. L3 cache varies with CPU

(Please refer to "CPU Support List" for more information.)

## Chipset

1. Intel® H510 Express Chipset

**Compare 0**

Compare up to 4 models in this product category

**Compare**

Clear All

**Memória**

- Support for DDR4 2933/2666/2400/2133 MHz memory modules
3. 10th Generation Intel® Core™ i5/i3/Pentium®/Celeron® processors:  
Support for DDR4 2666/2400/2133 MHz memory modules
  4. 2 x DDR4 DIMM sockets supporting up to 64 GB (32 GB single DIMM capacity) of system memory
  5. Dual channel memory architecture
  6. Support for ECC Un-buffered DIMM 1Rx8/2Rx8 memory modules (operate in non-ECC mode)
  7. Support for non-ECC Un-buffered DIMM 1Rx8/2Rx8/1Rx16 memory modules
  8. Support for Extreme Memory Profile (XMP) memory modules

(Please refer "Memory Support List" for more information.)

**Gráficos Onboard**

Integrated Graphics Processor-Intel® HD Graphics support:

1. 1 x D-Sub port, supporting a maximum resolution of 1920x1200@60 Hz
  2. 1 x HDMI port, supporting a maximum resolution of 4096x2160@30 Hz
- \* Support for HDMI 1.4 version and HDCP 2.3.

**Compare****0**

Compare up to 4 models in this product category

Clear All

**AUDIO**

To configure 7.1-channel audio, you need to open the audio software and select Device advanced settings > Playback Device to change the default setting first. Please visit GIGABYTE's website for details on configuring the audio software.

**LAN**

1. Realtek<sup>®</sup> GbE LAN chip (10/100/1000 Mbit)

**Slots de  
Expansão**

1. 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.
2. 1 x PCI Express x1 slot (PCIEX1\_1)  
(The PCIEX1 slot conforms to PCI Express 3.0 standard.)

**Interface de  
Armazenamento**

Chipset:

1. 1 x M.2 connector (Socket 3, M key, type 2260/2280/22110 SATA and PCIe 3.0 x4/x2 SSD support)

**Compare 0**

Compare up to 4 models in this product category

Clear All

**USB**

1. 4 x USB 3.2 Gen 1 ports (2 ports on the back panel, 2 ports available through the internal USB header)
2. 6 x USB 2.0/1.1 ports (4 ports on the back panel, 2 ports available through the internal USB header)

**Conectores Internos I/O**

1. 1 x 24-pin ATX main power connector
2. 1 x 8-pin ATX 12V power connector
3. 1 x CPU fan header
4. 1 x system fan header
5. 1 x RGB LED strip header
6. 1 x M.2 Socket 3 connector
7. 4 x SATA 6Gb/s connectors
8. 1 x front panel header
9. 1 x front panel audio header
10. 1 x USB 3.2 Gen 1 header
11. 1 x USB 2.0/1.1 header
12. 1 x Trusted Platform Module header (For the GC-TPM2.0 SPI/GC-TPM2.0 SPI 2.0 module only)
13. 1 x serial port header
14. 1 x Clear CMOS jumper

**Compare****0**

Compare up to 4 models in this product category

Clear All

**Conectores  
Painel Traseiro**

3. 1 x HDMI port
4. 2 x USB 3.2 Gen 1 ports
5. 4 x USB 2.0/1.1 ports
6. 1 x RJ-45 port
7. 3 x audio jacks

**Controlador I/O**

1. iTE<sup>®</sup> I/O Controller Chip

**Monitoramento  
H/W**

1. Voltage detection
  2. Temperature detection
  3. Fan speed detection
  4. Fan fail warning
  5. Fan speed control
- \* Whether the fan speed control function is supported will depend on the cooler you install.

**BIOS**

1. 1 x 256 Mbit flash
2. Use of licensed AMI UEFI BIOS

**Compare****0**

Compare up to 4 models in this product category

Clear All

**Características  
Exclusivas**

- depending on motherboard specifications.
- @BIOS
  - Ambient LED
  - EasyTune
  - Fast Boot
  - ON/OFF Charge
  - Smart Backup
  - System Information Viewer
- Support for Q-Flash
  - Support for Xpress Install

**Pacote de  
Software**

- Norton<sup>®</sup> Internet Security (OEM version)
- LAN bandwidth management software

**Sistema  
Operacional**

- Support for Windows 10 64-bit

**Form Factor**

- Micro ATX Form Factor; 24.4cm x 21.0cm

Compare **0**

Compare up to 4 models in this product category

Clear All

os Logotipos da HDMI são marcas comerciais ou marcas registradas da HDMI Licensing Administrator, Inc.

\* Todos os materiais disponíveis são para simples referência. A GIGABYTE reserva o direito de modificar ou revisar o conteúdo a qualquer momento sem aviso prévio.

\* Todas as marcas e logotipos são de propriedade de suas respectivas proprietárias.

\* Devido a arquitetura padrão PC, uma quantia de memória é reservada para uso do sistema, portanto o tamanho da memória é menor do que a quantia exibida

**SOBRE A GIGABYTE****CONSUMER****ENTERPRISE****SOLUTION****SERVICE / SUPPORT**[About Us](#)[Placa-mãe](#)[Server Motherboard](#)[Application Solutions](#)[Suporte ao produto](#)[CSR](#)[Placa de vídeo](#)[Rack Server](#)[Industry Solutions](#)[Suporte Online](#)[News](#)[Laptop](#)[GPU Server](#)[FAQ](#)[Carreira](#)[Monitor](#)[High Density Server](#)**RESOURCE**[Investor](#)[Computador](#)[Advanced Cooling](#)[Insight](#)[Fale Conosco](#)[Periféricos para computador](#)[ARM Server](#)[Success Case](#)

Compare **0**

Compare up to 4 models in this product category

Clear All

**FOLLOW US**



 **Brazil (Português)**

©2023 GIGA-BYTE Technology Co., Ltd. Todos os direitos reservados. | [Termos de Uso](#) | [Privacidade](#) | [Mapa do site](#)