



H510M K V2 (rev. 2.0) [rev. 1.0](#)

Intel® Q470 Chipset

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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 "CPU Support List" for more information.)

Chipset

1. Intel® Q470 Express Chipset

Memória

1. 11th Generation Intel® Core™ i9/i7/i5 processors:
Support for DDR4 3200/3000/2933/2666/2400/2133 MT/s memory modules
2. 10th Generation Intel® Core™ i9/i7 processors:
Support for DDR4 2933/2666/2400/2133 MT/s memory modules
3. 10th Generation Intel® Core™ i5/i3/Pentium®/Celeron® processors:
Support for DDR4 2666/2400/2133 MT/s 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

(The CPU and memory configuration may affect the supported memory types, data rate (speed), and number of DRAM modules, please refer to "Memory Support List" on GIGABYTE's website for more information.)

Gráficos Onboard

Integrated Graphics Processor-Intel® HD Graphics support:

1. 1 x HDMI port, supporting a maximum resolution of 4096x2160@30 Hz
* Support for HDMI 1.4 version and HDCP 2.3.



Compare

Clear All

* You can change the functionality of an audio jack using the audio software. To configure 7.1-channel audio, access the audio software for audio settings.

LAN

1. Realtek® GbE LAN chip (1 Gbps/100 Mbps/10 Mbps)
-

Slots de Expansão

CPU:

1. 1 x PCI Express x16 slot, supporting PCIe 3.0 and running at x16

Chipset:

1. 1 x PCI Express x1 slot, supporting PCIe 3.0 and running at x1
-

Interface de Armazenamento

Chipset:

1. 1 x M.2 connector (Socket 3, M key, type 2280 SATA and PCIe 3.0 x4/x2 SSD support)
2. 2 x SATA 6Gb/s connectors

RAID 0, RAID 1, and RAID5 support for NVMe SSD storage devices

* Supported with an additional PCIe to M.2 NVMe SSD adapter card

RAID 0, RAID 1, and RAID5 support for SATA storage devices

USB

Chipset:

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



[Clear All](#)

12. 1 x serial port header
13. 1 x Clear CMOS jumper

Conectores Painel Traseiro

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

Controlador I/O

1. iTE® 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 128 Mbit flash
2. Use of licensed AMI UEFI BIOS
3. PnP 1.0a, DMI 2.7, WfM 2.0, SM BIOS 2.7, ACPI 5.0

Características Exclusivas

1. Support for APP Center

* Available applications in APP Center may vary by motherboard model. Supported functions of each application may also vary depending on motherboard specifications.

@BIOS

Ambient LED

EasyTune



Clear All

Pacote de Software

- 2. LAN bandwidth management software

Sistema Operacional

- 1. Support for Windows 11 64-bit
- 2. Support for Windows 10 64-bit

Form Factor

- 1. Micro ATX Form Factor; 22.6cm x 18.5cm

Observação

- 1. Due to different Linux support condition provided by chipset vendors, please download Linux driver from chipset vendors' website or 3rd party website.
- 2. Most hardware/software vendors may no longer offer drivers to support Win9X/ME/2000/XP. If drivers are available from the vendors, we will update them on the GIGABYTE website.

* Os termos e expressões "HDMI", "HDMI High-Definition Multimedia Interface" e "Trade dress da HDMI", e 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



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