



# H610M K DDR4 (rev. 2.0) [rev. 1.0](#)

Intel® H610 Chipset

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## CPU

1. LGA1700 socket: Support for the 14th, 13th, and 12th Generation Intel® Core™, Pentium® Gold and Celeron® Processors
2. L3 cache varies with CPU

\* Please refer to "CPU Support List" for more information.

## Chipset

1. Intel® H610 Express Chipset

## Memória

1. Support for DDR4 3200/3000/2933/2666/2400/2133 MT/s memory modules
2. 2 x DDR4 DIMM sockets supporting up to 64 GB (32 GB single DIMM capacity) of system memory
3. Dual channel memory architecture
4. Support for ECC Un-buffered DIMM 1Rx8/2Rx8 memory modules (operate in non-ECC mode)
5. Support for non-ECC Un-buffered DIMM 1Rx8/2Rx8/1Rx16 memory modules
6. 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@60 Hz
  - \* Support for HDMI 2.1 version and HDCP 2.3.
  - \*\* Support native HDMI 2.1 TMDS compatible ports.

(Graphics specifications may vary depending on CPU support.)

## Áudio

1. Realtek® Audio CODEC
2. High Definition Audio



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<b>Slots de Expansão</b>	CPU: <ol style="list-style-type: none"><li>1 x PCI Express x16 slot, supporting PCIe 4.0 and running at x16</li></ol> Chipset: <ol style="list-style-type: none"><li>1 x PCI Express x1 slot, supporting PCIe 3.0 and running at x1</li></ol>
<b>Interface de Armazenamento</b>	Chipset: <ol style="list-style-type: none"><li>1 x M.2 connector (Socket 3, M key, type 2280/2260 PCIe 3.0 x4/x2 SSD support)</li><li>2 x SATA 6Gb/s connectors</li></ol>
<b>USB</b>	Chipset: <ol style="list-style-type: none"><li>4 x USB 3.2 Gen 1 ports (2 ports on the back panel, 2 ports available through the internal USB header)</li><li>6 x USB 2.0/1.1 ports (4 ports on the back panel, 2 ports available through the internal USB header)</li></ol>
<b>Conectores Internos I/O</b>	<ol style="list-style-type: none"><li>1 x 24-pin ATX main power connector</li><li>1 x 8-pin ATX 12V power connector</li><li>1 x CPU fan header</li><li>1 x system fan header</li><li>1 x M.2 Socket 3 connector</li><li>2 x SATA 6Gb/s connectors</li><li>1 x front panel header</li><li>1 x front panel audio header</li><li>1 x USB 3.2 Gen 1 header</li><li>1 x USB 2.0/1.1 header</li><li>1 x Trusted Platform Module header (For the GC-TPM2.0 SPI/GC-TPM2.0 SPI 2.0 / GC-TPM2.0 SPI V2 module only)</li><li>1 x Clear CMOS jumper</li></ol>

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**Controlador I/O**

1. iTE® I/O Controller Chip
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**Monitoramento H/W**

1. Voltage detection
2. Temperature detection
3. Fan speed detection
4. Water cooling flow rate detection
5. Fan fail warning
6. Fan speed control

\* Whether the fan speed control function is supported will depend on the fan you install

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**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
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**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  
EasyTune  
Smart Backup  
System Information Viewer

2. Support for Q-Flash
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**Pacote de Software**

1. Norton® Internet Security (OEM version)
  2. LAN bandwidth management software
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**Form Factor**

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

\* 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.

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\* 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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