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B450M GAMING (rev. 1.x)

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AMD B450 chipset

[Lista de Comparativos](#)

CPU

1. AM4 Socket: Supports AMD Ryzen™ 5000 series / Ryzen™ 5000 G-Series/ 3rd Gen Ryzen™/ 2nd Gen Ryzen™/ 1st Gen Ryzen™/ 2nd Gen Ryzen™ with Radeon™ Vega Graphics/ 1st Gen Ryzen™ with Radeon™ Vega Graphics/ Athlon™ with Radeon™ Vega Graphics Processors

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

Chipset

1. AMD B450

Memória

1. 2 x DDR4 DIMM sockets supporting up to 64 GB of system memory
2. Dual channel memory architecture

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memory modules

6. Support for Extreme Memory Profile (XMP) memory modules

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

**Gráficos
Onboard**

Integrated Graphics Processor:

1. 1 x D-Sub port, supporting a maximum resolution of 1920x1200@60 Hz
2. 1 x DVI-D port, supporting a maximum resolution of 1920x1200@60 Hz
 - * The DVI-D port does not support D-Sub connection by adapter.
3. 1 x HDMI port, supporting a maximum resolution of 4096x2160@60 Hz
 - * Support for HDMI 2.0 version and HDCP 2.2.
 - * Actual support may vary by CPU.

Maximum shared memory of 16 GB

Áudio

1. Realtek[®] Audio CODEC
2. High Definition Audio
3. 2/4/5.1/7.1-channel
 - * To configure 7.1-channel audio, you have to use an HD front

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Slots de Expansão

- 1 x PCI Express x16 slot, running at x16
(The PCIEX16 slot conforms to PCI Express 3.0 standard.)
- 2 x PCI Express x1 slot
(The PCI Express x1 slot conforms to PCI Express 2.0 standard.)

Interface de Armazenamento

- 1 x M.2 connector (Socket 3, M key, type 2242/2260/2280 SATA and PCIe x4/x2* SSD support)
* Actual support may vary by CPU.
* Supports only M.2 SATA SSDs when using an AMD Athlon™-series/ 7th Gen. A-series or Athlon™ X4 APU.
- 4 x SATA 6Gb/s connectors
- Support for RAID 0, RAID 1, and RAID 10

USB

Chipset:

- 2 x USB 3.1 Gen 1 ports available through the internal USB header

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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. 2 x system fan headers
5. 1 x M.2 Socket 3 connector
6. 4 x SATA 6Gb/s connectors
7. 1 x front panel header
8. 1 x front panel audio header
9. 1 x S/PDIF Out header
10. 1 x CPU cooler LED strip/RGB LED strip header
11. 1 x USB 3.1 Gen 1 header
12. 2 x USB 2.0/1.1 headers
13. 1 x Trusted Platform Module (TPM) header (2x6 pin, for the GC-TPM2.0_S module only)
14. 1 x speaker header
15. 1 x serial port header
16. 1 x Clear CMOS jumper
17. 1 x chassis intrusion header

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6. 4 x USB 3.1 Gen 1 ports
7. 2 x USB 2.0/1.1 ports
8. 1 x RJ-45 port
9. 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. Overheating warning
 5. Fan fail warning
 6. 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

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**Características
Exclusivas**

model. Supported functions of each application may also vary depending on motherboard specifications.

3D OSD

AutoGreen

Cloud Station

EasyTune

Fast Boot

Game Boost

ON/OFF Charge

RGB Fusion

Smart Backup

Smart Keyboard

Smart TimeLock

Smart HUD

Smart Survey

System Information Viewer

USB Blocker

2. Support for Q-Flash

3. Support for Xpress Install

**Pacote de
Software**

1. Norton® Internet Security (OEM version)

2. Realtek® 8118 Gaming LAN Bandwidth Control Utility

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Operacional

Ridge & Summit Ridge CPU.

* Please download the "Windows USB Installation Tool" from GIGABYTE's website and install it before installing Windows 7.

Form Factor

1. Micro ATX Form Factor; 24.4cm x 20.5cm

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.

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 **Brazil (Português)**

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