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A520M S2H (rev. 1.x)

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AMD A520 Chipset

[Lista de Comparativos](#)

CPU

1. AMD Socket AM4, support for: AMD Ryzen™ 5000 Series/ Ryzen™ 5000 G-Series/ Ryzen™ 4000 G-Series and Ryzen™ 3000 and Ryzen™ 3000 G-Series Processors

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

Chipset

1. AMD A520

Memória

1. 2 x DDR4 DIMM sockets supporting up to 64 GB (32 GB single DIMM capacity) of system memory
2. Support for DDR4 5100(O.C.) / 4800(O.C.) / 4600(O.C.) / 4400(O.C.) / 4266(O.C.) / 4133(O.C.) / 4000(O.C.) / 3866(O.C.) /

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5. Support for non-ECC Un-buffered DIMM 1Rx8/2Rx8/1Rx16 memory modules
6. Support for Extreme Memory Profile (XMP) memory modules

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

Gráficos Onboard

Integrated Graphics Processor with AMD Radeon™ Graphics support:

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 2.1 version, HDCP 2.3, and HDR.

Support for up to 3 displays at the same time
Maximum shared memory of 16 GB

Áudio

1. Realtek® Audio CODEC
2. High Definition Audio

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LAN

- 1. Realtek® GbE LAN chip (1000 Mbit/100 Mbit)

Slots de Expansão

CPU:

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

Chipset:

- 1. 2 x PCI Express x1 slots, supporting PCIe 3.0

Interface de Armazenamento

CPU:

- 1. 1 x M.2 connector (Socket 3, M key, type 2242/2260/2280 SATA and PCIe 3.0 x4/x2 SSD support)

Chipset:

- 1. 4 x SATA 6Gb/s connectors
 - 2. Support for RAID 0, RAID 1, and RAID 10
-

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

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. 2 x system fan headers
5. 1 x addressable LED strip header
6. 1 x RGB LED strip header
7. 1 x M.2 Socket 3 connector
8. 4 x SATA 6Gb/s connectors
9. 1 x front panel header
10. 1 x front panel audio header
11. 1 x USB 3.2 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 serial port header
15. 1 x speaker header

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**Conectores
Painel Traseiro**

1. 1 x PS/2 keyboard/mouse port
2. 1 x D-Sub port
3. 1 x DVI-D port
4. 1 x HDMI port
5. 4 x USB 3.2 Gen 1 ports
6. 2 x USB 2.0/1.1 ports
7. 1 x RJ-45 port
8. 1 x Q-Flash Plus button
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

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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
RGB Fusion
Smart Backup
System Information Viewer
2. Support for Q-Flash Plus
3. Support for Q-Flash

**Pacote de
Software**

1. Norton[®] Internet Security (OEM version)
2. Realtek[®] 8118 Gaming LAN Bandwidth Control Utility

**Sistema
Operacional**

1. Support for Windows 11 64-bit

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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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