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# A520M DS3H (rev. 1.x)

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AMD A520 Chipset

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## CPU

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

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

## Chipset

1. AMD A520

## Memória

1. 4 x DDR4 DIMM sockets supporting up to 128 GB (32 GB single DIMM capacity) of system memory
2. AMD Ryzen™ 5000 G-series / Ryzen™ 5000 Series/ 3rd



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/ 2133 MHZ memory modules

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

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

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**Gráficos Onboard**

Integrated in the 3rd Generation AMD Ryzen™ with Radeon™ Graphics processors:

1. 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.
2. 1 x DisplayPort, supporting a maximum resolution of 5120x2880@60 Hz  
\* Support for DisplayPort 1.4 version, HDCP 2.3, and HDR.
3. 1 x HDMI port, supporting a maximum resolution of 4096x2160@60 Hz  
\* Support for HDMI 2.1 version, HDCP 2.3, and HDR.



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**Áudio**

3. 2/4/5.1/7.1-channel

\* 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 (1 Gbps/100 Mbps)**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 (PCIEX1\_1, PCIEX1\_2)

**Interface de**

CPU:



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2. Support for RAID 0, RAID 1, and RAID 10

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**CPU:**

1. 4 x USB 3.2 Gen 1 ports on the back panel

**Chipset:****USB**

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

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**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



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15. 1 x Clear CMOS jumper

16. 1 x Q-Flash Plus button

\* All fan headers are subject to support AIO\_Pump, Pump and high performance fan with the capability of delivering up to 2A/12V @ 24W.

**Conectores  
Painel Traseiro**

1. 1 x PS/2 keyboard/mouse port
2. 1 x DVI-D port
3. 1 x DisplayPort
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. 3 x audio jacks

**Controlador I/O**

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

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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

**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
4. Support for Xpress Install



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**Sistema Operacional**

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

**Form Factor**

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

**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



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 **Brazil (Portugues)**

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