

A520M DS3H V2 (rév. 1.0)

[rév. 1.1](#)[Caractéristiques](#)[Caractéristiques](#)[Soutien](#)[Galerie de photos](#)[Où acheter](#)

Jeu de puces AMD A520

[Comparateur](#)

Carte mère AMD
A520 Ultra Durable
avec solution VRM
numérique, GbE LAN,
Smart Fan 5 avec
FAN STOP

- Prend en charge les processeurs AMD Ryzen™ série 5000/Ryzen™ 5000 série G/Ryzen™ 4000 série G et Ryzen™ 3000 et Ryzen™ 3000 série G
- DDR4 sans tampon ECC/Non-ECC double canal, 4 DIMM
- Emplacement PCIe 3.0 x16 Ultra Durable™
- Connecteurs NVMe PCIe 3.0 M.2
- Condensateurs audio de haute qualité et protection contre le bruit audio pour une qualité audio ultime
- LAN GbE avec gestion de la bande passante
- DisplayPort arrière et HDMI pour la prise en charge multi-écrans
- Smart Fan 5 dispose de plusieurs capteurs de température et d'en-têtes de ventilateur hybrides avec arrêt du ventilateur
- Conception de résistances anti-soufre

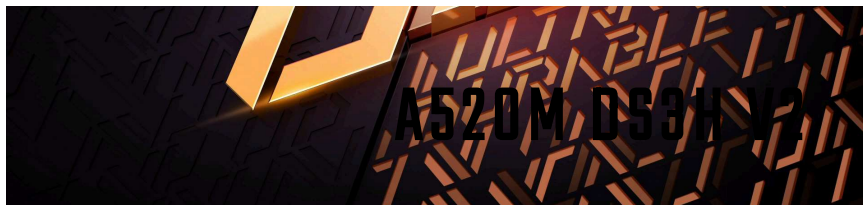


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APERÇU DES SPECIFICATIONS

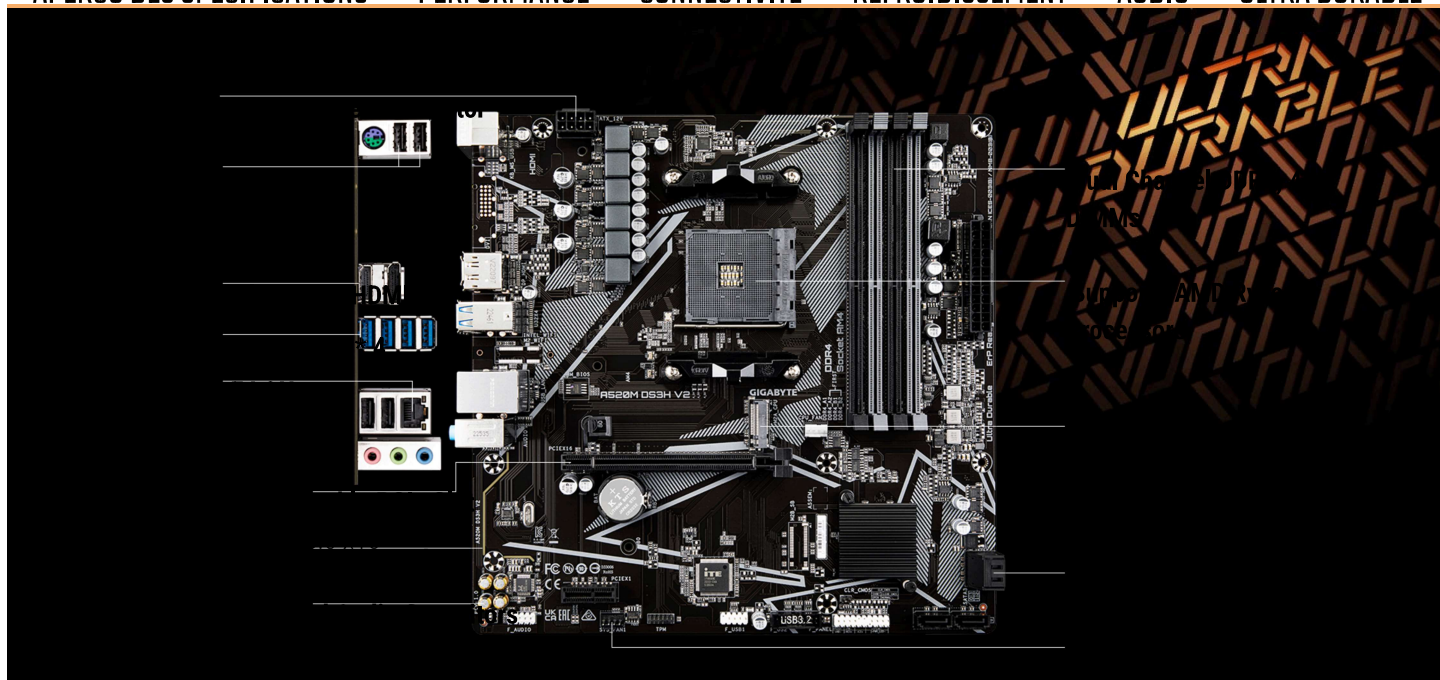
PERFORMANCE

CONNECTIVITE

REFROIDISSEMENT

AUDIO

ULTRA DURABLE



- 2 Fan Connectors
- 5 Temperature Sensors

PERFORMANCE

GIGABYTE UD series motherboards use pure digital PWM + Low RDS(on) MOSFETs design to support the 3rd Gen AMD Ryzen™ CPUs by offering incredible precision in delivering power to the motherboard's most power-hungry and energy-sensitive components as well as delivering enhanced system performance and ultimate hardware scalability.

Benefits of Low Rds(on) MOSFETs

- Optimized gate charge to minimize switching losses.
- Lower temperature, smaller size, better thermal characteristics.



CONNECTIVITY

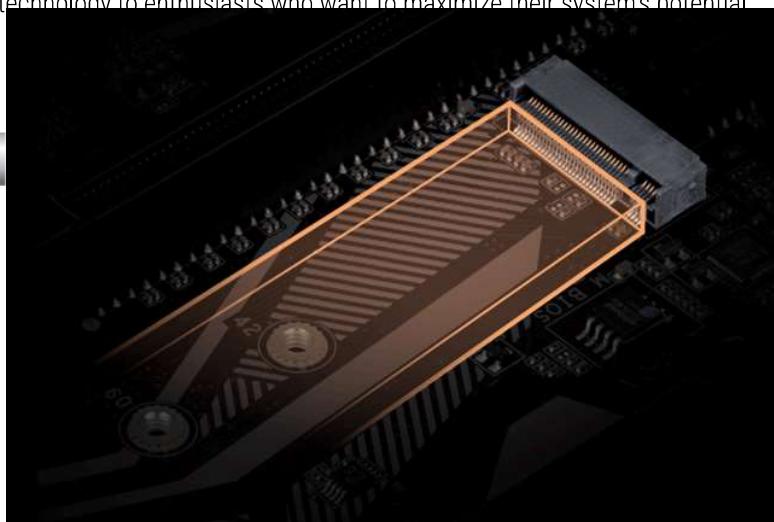
NVMe PCIe Gen3 x4 M.2 Connector

GIGABYTE Motherboards are focused on delivering M.2 technology to enthusiasts who want to maximize their system's potential

M.2 **Up to 32 Gb/s*** (PCIe Gen3 x4 M.2)

SATA 3 **Up to 6 Gb/s***

*Theoretical Bandwidth



GbE LAN with Bandwidth Management

GbE LAN features a network bandwidth management application which helps to improve network latency and maintain low ping times to deliver better responsiveness in crowded LAN environments.



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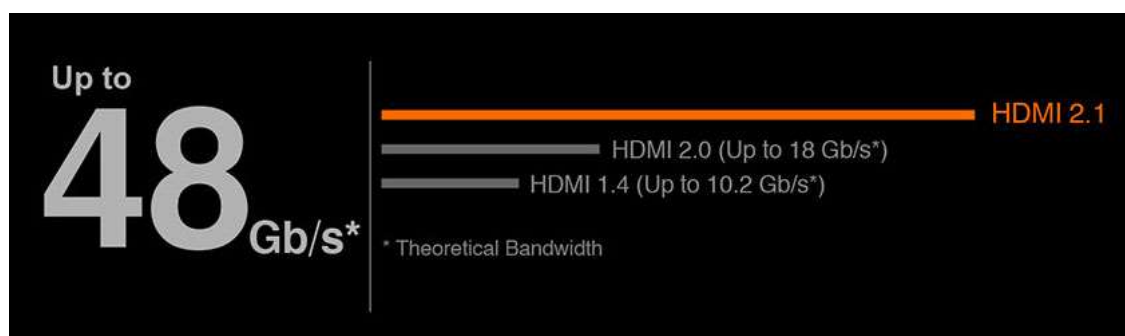
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HDMI 2.1 for 4K / 60P / 21:9 / HDCP 2.3 Support



HDMI 2.1, which is backwards compatible with HDMI 2.0/ 1.4 and offering 48 Gb/s of bandwidth – twice times more than previous generation. This unlocks the potential for users to transfer multiple video streams, as well as a native cinematic 21:9 ratio (which most movies are shot in), Full HDR and HDCP 2.3 support, to offer the best visual experience for viewers.



Note: Only New Gen AMD Ryzen™ with Radeon™ Graphics processors support displaying function.

The Industry's Leading LAN Static-Electricity & Surge Protection

GIGABYTE motherboards use ICs with up to 3 times the ESD resistance levels compared to traditional ICs. This helps protect the motherboard and its components against potential damage caused by static electricity. GIGABYTE motherboards also feature special anti-surge ICs that protect your motherboard, and your PC from any surge in power delivery that may occur, helping to ensure that your PC is equipped to deal with any potentially irregular and inconsistent power delivery.



Tout effacer



COOLING



Smart Fan 5

With Smart Fan 5 users can ensure that their gaming PC can maintain its performance while staying cool. Smart Fan 5 allows users to interchange their fan headers to reflect different thermal sensors at different locations on the motherboard. Not only that, with Smart Fan 5 more hybrid fan headers that support both PWM and Voltage mode fans have been introduced to make the motherboard more liquid cooling friendly.



Temperature Sensors



Hybrid Fan Headers



- 5 Temperature Sensors
- 2 Fan Pin Headers
- All Fan Pin Headers Upgraded to Hybrid Fan Headers
- Interoperable Fans and Sensors
- Intuitive UI for Fan Control



Fan Connectors



Internal Temperature Sensors

Different models have different number of fan pin headers and temperature sensors. Smart Fan 5 function may vary by model.



FAN STOP	Hybrid FAN Header	Smart Fan 5 Softw
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Achieve fan silence. With Fan Stop, map any fan to stop completely when temperatures drop below a specified threshold. Which fan stops, based on readings from which sensor, and at what temperature—all of it can be customized to your liking.



AUDIO



High-End Audio Capacitors

GIGABYTE motherboards use high-end audio capacitors. These high quality capacitors help deliver high resolution and high fidelity audio to provide the most realistic sound effects for gamers.

Audio Noise Guard

GIGABYTE motherboards feature an audio noise guard that essentially separates the board's sensitive analog audio components from potential noise pollution at the PCB level.

ULTRA DURABLE

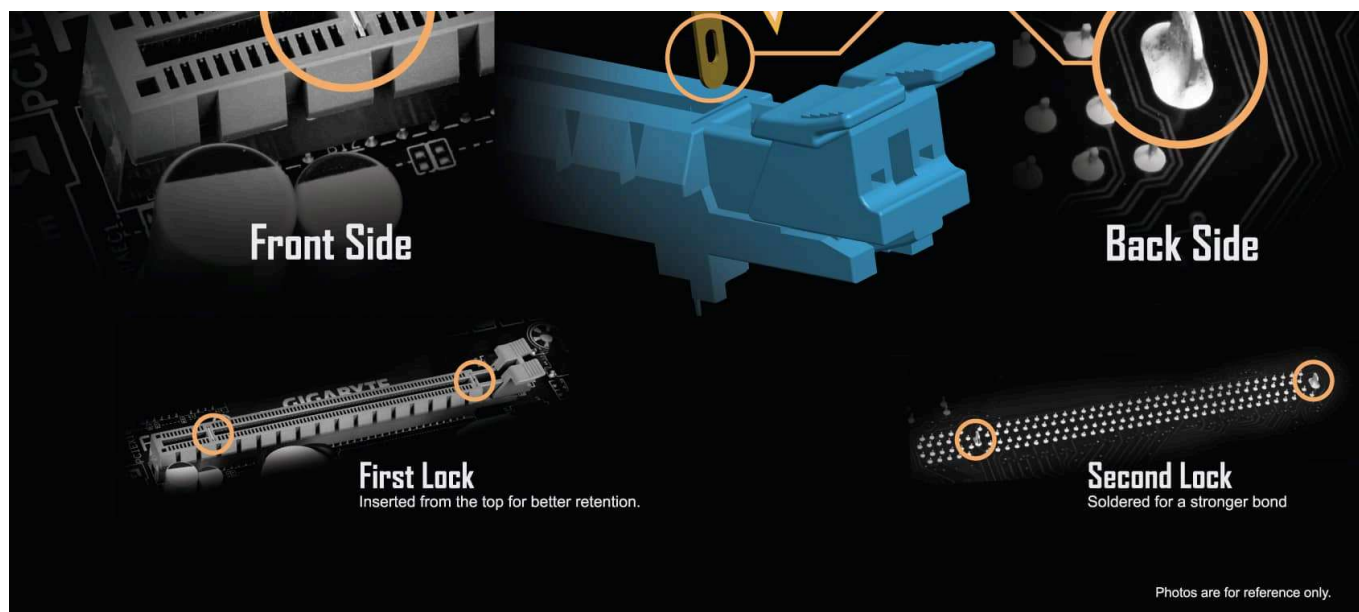
GIGABYTE Patented Double Locking Bracket



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Solid Pin Power Connectors

GIGABYTE motherboards feature solid plated ATX 12V 8pin power connectors for offering stable power supply while CPU overloading.



Solid Pin Power connector advantages

- Larger contact area for electricity
- More metal quantity to sustain higher power and generated heat
- Ultra durable and longer lifespan



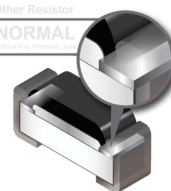
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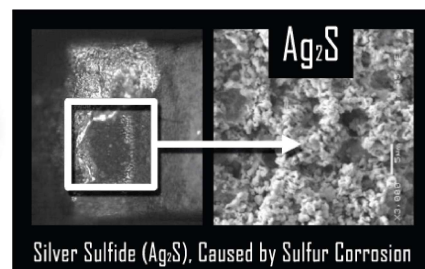
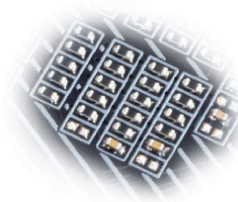
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START SURGE PROTECTION

GIGABYTE
Anti-Sulfur Resistor
BETTER
Anti-Sulfur Protection LayerOther Resistor
NORMAL
Without Protection Layer

Sulfur compounds in the air can penetrate tiny onboard resistors creating chemical change and causing these resistors to open or short. If either of these occurs the motherboard will fail to function. By equipping resistors with an Anti-Sulfur Design GIGABYTE gives Ultra Durable Motherboards a whole new meaning.



The Industry's Leading Surge Protection

GIGABYTE motherboards also feature special anti-surge IC that protect your motherboard, helping to ensure that your PC is equipped to deal with any potentially irregular electrical spikes.



Tout effacer

moisture, and most parts of the world experience moisture in the air as humidity at some point during the year. GIGABYTE motherboards have been designed to make sure that humidity is never an issue, incorporating a new Glass Fabric PCB technology that repels moisture caused by humid and damp conditions. Glass Fabric PCB technology uses a new PCB material which reduces the amount of space between the fiber weave, making it much more difficult for moisture to penetrate compared to traditional motherboard PCBs. This offers much better protection from short circuit and system malfunction caused by humid and damp conditions.

High Temperature Protection Lower RDS(on) MOSFETs Design

GIGABYTE motherboards use Low RDS(on) MOSFETs which reduce energy wastage through unnecessary residual heat dissipation. This all amounts to tangible energy savings which are beneficial for both end-users and the environment without impacting system performance.

GIGABYTE EXCELLENCE

GIGABYTE BIOS & Applications

BIOS	APP CENTER	EasyTune	@BIOS	System Information
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Refreshed BIOS

The BIOS is essential for users during initial setup to allow for the most optimal settings. With a new GUI and easier to use functionalities, GIGABYTE has been able to reinvent the BIOS to give users a better experience while setting up their new system.

* Photos are for reference only. Product features may vary by model.



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* Les termes HDMI, interface multimédia haute définition HDMI et habillage commercial HDMI, et les logos HDMI sont des marques commerciales et des marques déposées de HDMI Licensing Administrator, Inc.

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