

## Gigabyte A520M DS3H V2 Motherboard - Supports AMD Ryzen 5000 Series AM4 CPUs, up to 4733MHz DDR4 (OC), PCIe 3.0 x16, GbE LAN, USB 3.2 Gen 1



**Brand :** Gigabyte

**Product code:** A520M DS3H V2

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- Supports AMD Ryzen™ 5000 Series/ Ryzen™ 5000 G-Series/ Ryzen™ 4000 G-Series and Ryzen™ 3000 and Ryzen™ 3000 G-Series Processors
  - Dual Channel ECC/ Non-ECC Unbuffered DDR4, 4 DIMMs
  - Ultra Durable™ PCIe 3.0 x16 Slot
  - NVMe PCIe 3.0 M.2 Connectors
  - High Quality Audio Capacitors and Audio Noise Guard for Ultimate Audio Quality
  - GbE LAN with Bandwidth Management
  - Rear DisplayPort and HDMI for Multi-display Support
  - Smart Fan 5 Features Multiple Temperature Sensors, Hybrid Fan Headers with FAN STOP
  - Anti-Sulfur Resistors Design
- AMD A520 Ultra Durable Motherboard with Digital VRM Solution, GbE LAN, Smart Fan 5 with FAN STOP

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Elevate your computing experience with GIGABYTE's renowned motherboard series: AORUS, AERO, and GIGABYTE. Featuring innovative designs and advanced features, these boards offer exceptional performance and reliability. Whether you're a gamer, content creator, or professional, our series cater to your needs, ensuring uncompromising quality and cutting-edge technology.

Processor		Rear panel I/O ports	
Processor manufacturer *	AMD	DisplayPort version	2.0
Processor socket *	Socket AM4	Headphone outputs	1
Compatible processor series *	3rd Generation AMD Ryzen™ 3, 3rd Generation AMD Ryzen 5, 3rd Generation AMD Ryzen™ 7, 3rd Generation AMD Ryzen™ 9, 3rd Gen AMD Ryzen™ Threadripper™, AMD Ryzen Threadripper Pro 3rd Gen	Microphone in	✓
		Digital audio optical out	1
Maximum number of SMP processors	1	USB connector type	USB Type-A
Supported processor sockets	Socket AM4	Network	
Maximum internal memory supported by processor	128 GB	Ethernet LAN	✓
Memory		Ethernet interface type	Gigabit Ethernet
Supported memory types *	DDR4-SDRAM	Wi-Fi *	✗
Number of memory slots *	4	Features	
Memory slots type	DIMM	Audio chip	Realtek ALC887
Memory channels	Dual-channel	Audio output channels *	7.1 channels
ECC	✓	Product colour	Black
Non-ECC	✓	PC health monitoring	CPU, LED, Power supply, Temperature, Voltage
Supported memory clock speeds	2133,2400,2667,2933,3200,3333,3600,4000,4400,4733 MHz	Component for *	PC
Maximum internal memory *	128 GB	Motherboard form factor *	micro ATX
Supported memory module capacities	1GB, 2GB, 4GB, 8GB, 16GB, 32GB	Motherboard chipset family *	AMD
Unbuffered memory	✓	Cooling type	Active
Storage controllers		Power source type	ATX
Supported storage drive types	HDD & SSD	Windows operating systems supported	Windows 10 x64
Supported storage drive interfaces *	M.2, SATA III	Expansion slots	
Number of HDDs supported	4	PCI Express x1 (Gen 3.x) slots	2
Number of storage drives supported	5	PCI Express x16 (Gen 3.x) slots	1
RAID support	✓	Number of M.2 (M) slots	1
RAID levels	0, 1, 10	BIOS	
		BIOS type *	UEFI AMI
		BIOS memory size	128 Mbit

<b>Graphics</b>		<b>BIOS</b>	
Maximum resolution	5120 x 2880 pixels	ACPI version	5.0
HDCP	✓	Clear CMOS jumper	✓
Discrete graphics support	✓	Clear CMOS button	✓
Number of displays supported	3	Desktop Management Interface (DMI) version	2.7
<b>Internal I/O</b>		System Management BIOS (SMBIOS) version	2.7
USB 2.0 connectors *	1	<b>Logistics data</b>	
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	Country of origin	China
Number of SATA III connectors *	4	Products per shipping (inner) case	1 pc(s)
Total number of SATA connectors	4	<b>Battery</b>	
Front panel audio connector	✓	Battery weight	3 g
Front panel connector	✓	Lithium weight per battery	0.07 g
ATX Power connector (24-pin)	✓	Number of battery cells	1
Number of EATX power connectors	1	Battery technology	Lithium-Manganese Dioxide (LiMnO2)
Power fan connector	✓	Battery type	CR2032
CPU fan connector	✓	<b>Packaging data</b>	
TPM connector	✓	Package width	265 mm
Serial port headers	1	Package depth	265 mm
12V power connector	✓	Package height	54 mm
<b>Rear panel I/O ports</b>		Package weight	810 g
USB 2.0 ports quantity *	2	<b>Weight &amp; dimensions</b>	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Width	244 mm
Ethernet LAN (RJ-45) ports *	1	Depth	244 mm
PS/2 ports quantity	1	Height	35 mm
HDMI ports quantity *	1	<b>Packaging content</b>	
HDMI version	2.1	Cables included	SATA
DVI-D ports quantity *	1	Batteries included	✓
DisplayPorts quantity	1	Drivers included	✓
		Bundled software	Norton Internet Security (OEM version) Realtek 8118 Gaming LAN Bandwidth Control Utility
<b>Technical details</b>		Warranty period	3 year(s)



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