



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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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	✓
Maximum number of SMP processors	1	Digital audio optical out	1
Supported processor sockets	Socket AM4	USB connector type	USB Type-A
Maximum internal memory supported by processor	128 GB	Network	
Memory		Ethernet LAN	✓
Supported memory types *	DDR4-SDRAM	Ethernet interface type	Gigabit Ethernet
Number of memory slots *	4	Wi-Fi *	✗
Memory slots type	DIMM	Features	
Memory channels	Dual-channel	Audio chip	Realtek ALC887
ECC	✓	Audio output channels *	7.1 channels
Non-ECC	✓	Product colour	Black
Supported memory clock speeds	2133,2400,2667,2933,3200,3333,3600,4000,4400,4733 MHz	PC health monitoring	CPU, LED, Power supply, Temperature, Voltage
Maximum internal memory *	128 GB	Component for *	PC
Supported memory module capacities	1GB, 2GB, 4GB, 8GB, 16GB, 32GB	Motherboard form factor *	micro ATX
Unbuffered memory	✓	Motherboard chipset family *	AMD
Storage controllers		Cooling type	Active
Supported storage drive types	HDD & SSD	Power source type	ATX
Supported storage drive interfaces *	M.2, SATA III	Windows operating systems supported	Windows 10 x64
Number of HDDs supported	4	Expansion slots	
Number of storage drives supported	5	PCI Express x1 (Gen 3.x) slots	2
RAID support	✓	PCI Express x16 (Gen 3.x) slots	1
RAID levels	0, 1, 10	Number of M.2 (M) slots	1
Graphics		BIOS	
Maximum resolution	5120 x 2880 pixels	BIOS type *	UEFI AMI
HDCP	✓	BIOS memory size	128 Mbit
Discrete graphics support	✓	ACPI version	5.0
Number of displays supported	3	Clear CMOS jumper	✓
		Clear CMOS button	✓
		Desktop Management Interface (DMI) version	2.7

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



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