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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 name : 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

Product code: A520M DS3H V2

- 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.
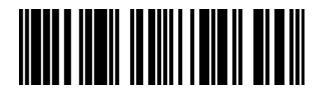
Processor

Processor manufacturer *	AMD
Processor socket *	Socket AM4
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
Maximum number of SMP processors	1
Supported processor sockets	Socket AM4
Maximum internal memory supported by processor	128 GB

Memory

Supported memory types *	DDR4-SDRAM
Number of memory slots *	4
Memory slots type	DIMM
Memory channels	Dual-channel
ECC	✔
Non-ECC	✔
Supported memory clock speeds	2133,2400,2667,2933,3200,3333,3600,4000,4400,4733 MHz
Maximum internal memory *	128 GB
Supported memory module capacities	1GB, 2GB, 4GB, 8GB, 16GB, 32GB
Unbuffered memory	✔

Storage controllers

Supported storage drive types	HDD & SSD
Supported storage drive interfaces *	M.2, SATA III
Number of HDDs supported	4
Number of storage drives supported	5
RAID support	✔
RAID levels	0, 1, 10

Rear panel I/O ports

DisplayPort version	2.0
Headphone outputs	1
Microphone in	✔
Digital audio optical out	1
USB connector type	USB Type-A

Network

Ethernet LAN	✔
Ethernet interface type	Gigabit Ethernet
Wi-Fi *	✘

Features

Audio chip	Realtek ALC887
Audio output channels *	7.1 channels
Product colour	Black
PC health monitoring	CPU, LED, Power supply, Temperature, Voltage
Component for *	PC
Motherboard form factor *	micro ATX
Motherboard chipset family *	AMD
Cooling type	Active
Power source type	ATX
Windows operating systems supported	Windows 10 x64

Expansion slots

PCI Express x1 (Gen 3.x) slots	2
PCI Express x16 (Gen 3.x) slots	1
Number of M.2 (M) slots	1

BIOS

BIOS type *	UEFI AMI
BIOS memory size	128 Mbit

Graphics

Maximum resolution	5120 x 2880 pixels
HDCP	✔
Discrete graphics support	✔
Number of displays supported	3

Internal I/O

USB 2.0 connectors *	1
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1
Number of SATA III connectors *	4
Total number of SATA connectors	4
Front panel audio connector	✔
Front panel connector	✔
ATX Power connector (24-pin)	✔
Number of EATX power connectors	1
Power fan connector	✔
CPU fan connector	✔
TPM connector	✔
Serial port headers	1
12V power connector	✔

Rear panel I/O ports

USB 2.0 ports quantity *	2
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4
Ethernet LAN (RJ-45) ports *	1
PS/2 ports quantity	1
HDMI ports quantity *	1
HDMI version	2.1
DVI-D ports quantity *	1
DisplayPorts quantity	1

BIOS

ACPI version	5.0
Clear CMOS jumper	✔
Clear CMOS button	✔
Desktop Management Interface (DMI) version	2.7
System Management BIOS (SMBIOS) version	2.7

Logistics data

Country of origin	China
Products per shipping (inner) case	1 pc(s)

Battery

Battery weight	3 g
Lithium weight per battery	0.07 g
Number of battery cells	1
Battery technology	Lithium-Manganese Dioxide (LiMnO2)
Battery type	CR2032

Packaging data

Package width	265 mm
Package depth	265 mm
Package height	54 mm
Package weight	810 g

Weight & dimensions

Width	244 mm
Depth	244 mm
Height	35 mm

Packaging content

Cables included	SATA
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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