

Gigabyte A520M DS3H (rev. 1.x) Socket AM4 micro ATX

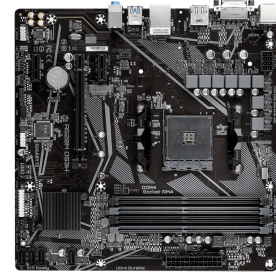
Brand : Gigabyte

Product code: A520M DS3H

Product name : A520M DS3H (rev. 1.x)

- Supports 3rd Gen AMD Ryzen Processors
- Dual Channel ECC/ Non-ECC Unbuffered DDR4, 4 DIMMs
- 5+3 Phases Pure Digital VRM Solution with Low RDS(on) MOSFETs
- Ultra-Fast NVMe PCIe 3.0 x4 M.2 Connector
- GIGABYTE Exclusive 8118 Gaming LAN with Bandwidth Management
- HDMI, DVI-D, Display Ports for Multiple Display
- RGB FUSION 2.0 Supports Addressable LED & RGB LED Strips
- Smart Fan 5 Features Multiple Temperature Sensors, Hybrid Fan Headers with FAN STOP
- Q-Flash Plus Update BIOS without Installing the CPU, Memory and Graphics Card
- Anti-Sulfur Resistors Design
- 5 Temperature Sensors
- 3 Fan Pin Headers
- All Fan Pin Headers Upgraded to Hybrid Fan Headers
- Interoperable Fans and Sensors
- Intuitive UI for Fan Control

M-ATX, AMD A520 (AMD AM4), 3rd Gen. AMD Ryzen CPU + Radeon GPU, 4 x DDR4 DIMM, ECC, non-ECC, XMP, 1 x DVI-D, 1 x DisplayPort, 1 x HDMI, HD Audio (ALC887), GbE LAN, 1 x PCI E x16, 2 x PCI E x1 (Gen.3), 1 x M.2, 4 x SATA 6Gb/s, RAID 0/1/10, 4 x USB 3.2 + 2 x USB 3.2, 4 x USB 2.0/1.1, Windows 10 64-bit



Processor		Rear panel I/O ports	
Processor manufacturer *	AMD	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4
Processor socket *	Socket AM4	Ethernet LAN (RJ-45) ports *	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	PS/2 ports quantity	1
		HDMI ports quantity *	1
Maximum number of SMP processors	1	HDMI version	2.1
Supported processor sockets	Socket AM4	DVI-D ports quantity *	1
Maximum internal memory supported by processor	128 GB	DisplayPorts quantity	1
Memory	Supported memory types *	DisplayPort version	2.0
		Number of memory slots *	4
Memory slots type	DIMM	Headphone outputs	1
Memory channels	Dual-channel	Microphone in	✓
ECC	✓	Digital audio optical out	1
Non-ECC	✓	USB connector type	USB Type-A
Supported memory clock speeds	2133,2400,2667,2933,3200,3333,3600,4000,4400,4733 MHz	Network	
Maximum internal memory *	128 GB	Ethernet LAN	✓
Supported memory module capacities	1GB, 2GB, 4GB, 8GB, 16GB, 32GB	Ethernet interface type	Gigabit Ethernet
Unbuffered memory	✓	Wi-Fi *	✗
Storage controllers		Features	
Supported storage drive types	HDD & SSD	Audio chip	Realtek ALC887
Supported storage drive interfaces *	M.2, SATA III	Audio output channels *	7.1 channels
Number of HDDs supported	5	PC health monitoring	CPU, LED, Power supply, Temperature, Voltage
RAID levels	0, 1, 10	Component for *	PC
Graphics		Motherboard form factor *	micro ATX
Maximum resolution	5120 x 2880 pixels	Motherboard chipset family *	AMD
HDCP	✓	Cooling type	Active
Discrete graphics support	✓	Power source type	ATX
Number of displays supported	3	Windows operating systems supported	Windows 10 x64
		Harmonized System (HS) code	84733020
		Expansion slots	
		PCI Express x1 (Gen 3.x) slots	2
		PCI Express x16 (Gen 3.x) slots	1

Internal I/O		Expansion slots	
USB 2.0 connectors *	1	Number of M.2 (M) slots	1
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	BIOS	
Number of SATA III connectors *	4	BIOS type *	UEFI AMI
Total number of SATA connectors	4	BIOS memory size	128 Mbit
Front panel audio connector	✓	ACPI version	5.0
Front panel connector	✓	Clear CMOS jumper	✓
ATX Power connector (24-pin)	✓	Clear CMOS button	✓
Number of EATX power connectors	1	Desktop Management Interface (DMI) version	2.7
Power fan connector	✓	System Management BIOS (SMBIOS) version	2.7
CPU fan connector	✓	Weight & dimensions	
TPM connector	✓	Width	244 mm
Serial port headers	1	Depth	244 mm
12V power connector	✓	Packaging content	
Rear panel I/O ports		Cables included	SATA
USB 2.0 ports quantity *	2	Drivers included	✓
		Bundled software	Norton Internet Security (OEM version) Realtek 8118 Gaming LAN Bandwidth Control Utility



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