

Gigabyte A520M H Motherboard - Supports AMD Ryzen 5000 Series AM4 CPUs, 4+3 Phases Pure Digital VRM, up to 5100MHz DDR4 (OC), PCIe 3.0 x4 M.2, GbE LAN, USB 3.2 Gen 1

Brand : Gigabyte

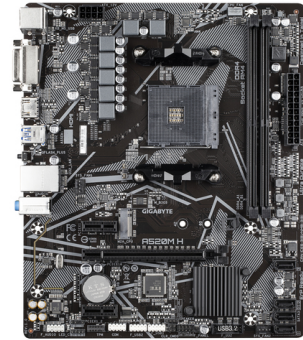
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AMD A520 Ultra Durable Motherboard with Pure Digital VRM Solution, GIGABYTE Gaming LAN with Bandwidth Management, PCIe 3.0 x4 M.2, RGB FUSION 2.0, Smart Fan 5, Q-Flash Plus, Anti-Sulfur Resistors Design

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GIGABYTE UD series motherboards use a 5+3 phases 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.



Processor		Rear panel I/O ports	
Processor manufacturer *	AMD	USB connector type	USB Type-A
Processor socket *	Socket AM4	Network	
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	Ethernet LAN	✓
		Ethernet interface type	Gigabit Ethernet
Supported processor sockets	Socket AM4	Wi-Fi *	✗
Maximum internal memory supported by processor	64 GB	Features	
Memory		Motherboard chipset *	AMD A520
Supported memory types *	DDR4-SDRAM	Audio chip	Realtek ALC887
Number of memory slots *	2	Audio output channels *	7.1 channels
Memory slots type	DIMM	PC health monitoring	CPU, Fan, LED, Power supply, Temperature, Voltage
Memory channels	Dual-channel	Component for *	PC
ECC	✓	Motherboard form factor *	micro ATX
Non-ECC	✓	Motherboard chipset family *	AMD
Supported memory clock speeds	2133,2400,2667,2933,3200,3333,3600,4000,4600,4866,5000 MHz	Cooling type	Active
Maximum internal memory *	64 GB	Power source type	ATX
Unbuffered memory	✓	Windows operating systems supported	Windows 10 x64
Storage controllers		Expansion slots	
Supported storage drive types	HDD & SSD	PCI Express x1 (Gen 3.x) slots	2
Supported storage drive interfaces *	M.2, PCI Express 3.0, SATA III	PCI Express x16 (Gen 3.x) slots	1
RAID support	✓	Number of M.2 (M) slots	1
RAID levels	0, 1, 10	BIOS	
Graphics		BIOS type *	UEFI AMI
Maximum resolution	4096 x 2160 pixels	BIOS memory size	128 Mbit
HDCP	✓	ACPI version	5.0
Discrete graphics support	✓	Clear CMOS jumper	✓
Number of displays supported	2	Clear CMOS button	✓
Internal I/O		Desktop Management Interface (DMI) version	2.7
USB 2.0 connectors *	2	System Management BIOS (SMBIOS) version	2.7
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1		
Number of SATA III connectors *	4		

Internal I/O		Logistics data	
Total number of SATA connectors	4	Country of origin	China
Front panel audio connector	✓	Products per shipping (inner) case	1 pc(s)
Front panel connector	✓	Battery	
ATX Power connector (24-pin)	✓	Battery weight	3 g
Power fan connector	✓	Lithium weight per battery	0.07 g
CPU fan connector	✓	Number of battery cells	1
Chassis intrusion connector	✓	Battery technology	Lithium-Manganese Dioxide (LiMnO2)
TPM connector	✓	Battery type	CR2032
Serial port headers	1	Packaging data	
12V power connector	✓	Package width	265 mm
RGB LED pin header	✓	Package depth	235 mm
Rear panel I/O ports		Package height	52 mm
USB 2.0 ports quantity *	2	Package weight	740 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	205 mm
HDMI ports quantity *	1	Height	35 mm
HDMI version	2.1	Packaging content	
DVI-D ports quantity *	1	Cables included	SATA
Headphone outputs	1	Batteries included	✓
Microphone in	✓	Drivers included	✓
Digital audio optical out	1	Bundled software	Norton Internet Security (OEM version) Realtek 8118 Gaming LAN Bandwidth Control Utility
Serial ports quantity	1	Technical details	
		Warranty period	3 year(s)



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