



## GIGABYTE A520M K V2 Motherboard - Supports AMD Ryzen 5000 Series AM4 CPUs, up to 5100MHz DDR4 (OC), PCIe Gen3 x4 M.2, GbE LAN, USB 3.2 Gen 1



**Brand :** GIGABYTE

**Product code:** A520M K V2

**Product name :** A520M K V2 Motherboard - Supports AMD Ryzen 5000 Series AM4 CPUs, up to 5100MHz DDR4 (OC), PCIe Gen3 x4 M.2, GbE LAN, USB 3.2 Gen 1

- Supports AMD Ryzen™ 5000 Series/ Ryzen™ 5000 G-Series/ Ryzen™ 4000 G-Series and Ryzen™ 3000 Series Processors
  - Dual Channel ECC/ Non-ECC Unbuffered DDR4, 2 DIMMs
  - PCIe Gen3 x4 M.2 with PCIe NVMe & SATA mode support
  - GbE LAN with Bandwidth Management
  - 8-Channel HD Audio with High Quality Audio Capacitors
  - Rear HDMI and D-sub for Multi-display Support
  - Smart Fan 5 Features Multiple Temperature Sensors, Hybrid Fan Headers with FAN STOP
  - GIGABYTE APP Center, Simple and Easy Use
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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	Headphone outputs	3
Processor socket *	Socket AM4	Microphone in	✓
Compatible processor series *	AMD Ryzen™ 3, AMD Ryzen™ 5, AMD Ryzen™ 7, 3rd Generation AMD Ryzen™ 9, AMD Ryzen 9 5th Gen	USB connector type	USB Type-A
Supported processor sockets	Socket AM4	Network	
		Ethernet LAN	✓
		Ethernet interface type	Gigabit Ethernet
		Wi-Fi *	✗
Memory		Features	
Supported memory types *	DDR4-SDRAM	Motherboard chipset *	AMD A520
Number of memory slots *	2	Audio output channels *	7.1 channels
Memory slots type	DIMM	PC health monitoring	Fan, Temperature, Voltage
Memory channels	Dual-channel	Component for *	PC
ECC compatibility	ECC & Non-ECC	Motherboard form factor *	micro ATX
Supported memory clock speeds	2133,2400,2667,2933,3200,3400,3466,3600,3733,3866,4000,4133,4266,4400,4600,4800,5100 MHz	Motherboard chipset family *	AMD
Supported memory clock speed (max)	5100 MHz	Windows operating systems supported	Windows 10 x64, Windows 11 x64
Maximum internal memory *	64 GB	Expansion slots	
Unbuffered memory	✓	PCI Express x1 slots	1
		PCI Express x16 slots	1
		Number of M.2 (M) slots	1
Storage controllers		BIOS	
Supported storage drive types	HDD & SSD	BIOS type *	UEFI AMI
Supported storage drive interfaces *	M.2, SATA III	BIOS memory size	128 Mbit
Number of storage drives supported	5	ACPI version	5.0
RAID support	✓	Clear CMOS jumper	✓
RAID levels	0, 1, 10	Desktop Management Interface (DMI) version	2.7
Graphics		System Management BIOS (SMBIOS) version	2.7
Parallel processing technology support *	Not supported		
Maximum resolution	4096 x 2160 pixels		
HDCP	✓		
Internal I/O			
USB 2.0 connectors *	2		
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1		
Number of SATA III connectors *	4		

Internal I/O		Logistics data	
Front panel audio connector	✓	Country of origin	China
Front panel connector	✓	Products per shipping (inner) case	1 pc(s)
ATX Power connector (24-pin)	✓	<b>Battery</b>	
CPU fan connector	✓	Battery weight	3 g
Chassis intrusion connector	✓	Lithium weight per battery	0.07 g
EPS power connector (8-pin)	✓	Number of battery cells	1
TPM connector	✓	Battery technology	Lithium-Manganese Dioxide (LiMnO2)
12V power connector	✓	Battery type	CR2032
Rear panel I/O ports		Packaging data	
USB 2.0 ports quantity *	2	Package width	265 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Package depth	235 mm
Ethernet LAN (RJ-45) ports *	1	Package height	52 mm
PS/2 ports quantity	1	Package weight	675 g
VGA (D-Sub) ports quantity *	1	<b>Weight &amp; dimensions</b>	
HDMI ports quantity *	1	Width	233 mm
HDMI version	2.1	Depth	198 mm
		Height	35 mm
		Packaging content	
		Cables included	SATA
		Batteries included	✓
		Bundled software	Norton Internet Security
		Technical details	
		Warranty period	3 year(s)



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