



## GIGABYTE A520M K (rev. 1.0) AMD A520 Socket AM4 micro ATX

Brand : GIGABYTE

Product code: A520M K

Product name : A520M K (rev. 1.0)



- 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
  - Smart Fan 5 Features Multiple Temperature Sensors, Hybrid Fan Headers with FAN STOP
  - GIGABYTE APP Center, Simple and Easy Use
- AMD A520, Socket AM4, 2 x DDR4, 1 x HDMI port, 4 x SATA 6Gb/s, Micro ATX, 23.3cm x 19.8cm



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 *	AMD Ryzen 3000 Series, AMD Ryzen Threadripper 3000 Series, AMD Ryzen Threadripper PRO 3000 WX-Series	PS/2 ports quantity	1
Supported processor sockets	Socket AM4	HDMI ports quantity *	1
Maximum internal memory supported by processor	64 GB	HDMI version	2.1
<b>Memory</b>		DVI-D ports quantity *	1
Supported memory types *	DDR4-SDRAM	Headphone outputs	1
Number of memory slots *	2	Microphone in	✓
Memory slots type	DIMM	Digital audio optical out	1
Memory channels	Dual-channel	Serial ports quantity	1
ECC compatibility	ECC & Non-ECC	USB connector type	USB Type-A
Supported memory clock speeds	2133,2400,2667,2933,3200,3333,3600,4000,4600,4866,5000 MHz	<b>Network</b>	
Maximum internal memory *	64 GB	Ethernet LAN	✓
Supported memory module capacities	1GB, 2GB, 4GB, 8GB, 16GB, 32GB	Ethernet interface type	Gigabit Ethernet
Unbuffered memory	✓	Wi-Fi *	✗
<b>Storage controllers</b>		<b>Features</b>	
Supported storage drive types	HDD & SSD	Motherboard chipset *	AMD A520
Supported storage drive interfaces *	M.2, PCI Express 3.0, SATA III	Audio chip	Realtek ALC887
RAID levels	0, 1, 10	Audio output channels *	7.1 channels
<b>Graphics</b>		PC health monitoring	CPU, Fan, LED, Power supply, Temperature, Voltage
Maximum resolution	4096 x 2160 pixels	Component for *	PC
HDCP	✓	Motherboard form factor *	micro ATX
Discrete graphics support	✓	Motherboard chipset family *	AMD
Number of displays supported	2	Cooling type	Active
<b>Internal I/O</b>		Power source type	ATX
USB 2.0 connectors *	2	Windows operating systems supported	Windows 10 x64
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	<b>Expansion slots</b>	
Number of SATA III connectors *	4	PCI Express x1 (Gen 3.x) slots	2
Total number of SATA connectors	4	PCI Express x16 (Gen 3.x) slots	1

Internal I/O		Expansion slots	
Front panel audio connector	✓	Number of M.2 (M) slots	1
Front panel connector	✓	<b>BIOS</b>	
ATX Power connector (24-pin)	✓	BIOS type *	UEFI AMI
Power fan connector	✓	BIOS memory size	128 Mbit
CPU fan connector	✓	ACPI version	5.0
Chassis intrusion connector	✓	Clear CMOS jumper	✓
TPM connector	✓	Clear CMOS button	✓
Serial port headers	1	Desktop Management Interface (DMI) version	2.7
12V power connector	✓	System Management BIOS (SMBIOS) version	2.7
RGB LED pin header	✓	<b>Weight &amp; dimensions</b>	
<b>Rear panel I/O ports</b>		Width	233 mm
USB 2.0 ports quantity *	2	Depth	198 mm
		<b>Packaging content</b>	
		Cables included	SATA
		Drivers included	✓
		Bundled software	Norton® Internet Security (OEM version) LAN bandwidth management software



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