GIGABYTE

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

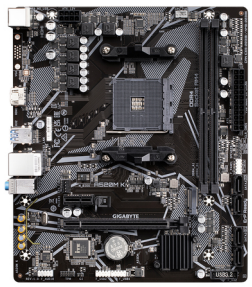
Brand : Gigabyte

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

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
Supported processor sockets	Socket AM4
Maximum internal memory supported by processor	64 GB

Memory

Supported memory types *	DDR4-SDRAM
Number of memory slots *	2
Memory slots type	DIMM
Memory channels	Dual-channel
ECC	✓
Non-ECC	✓
Supported memory clock speeds	2133,2400,2667,2933,3200,3333,3600,4000,4600,4866,5000 MHz
Maximum internal memory *	64 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, PCI Express 3.0, SATA III
RAID levels	0, 1, 10

Graphics

Maximum resolution	4096 x 2160 pixels
HDCP	✓
Discrete graphics support	✓
Number of displays supported	2

Internal I/O

USB 2.0 connectors *	2

Rear panel I/O ports

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
Headphone outputs	1
Microphone in	✓
Digital audio optical out	1
Serial ports quantity	1
USB connector type	USB Type-A

Network

Ethernet LAN	✓
Ethernet interface type	Gigabit Ethernet
Wi-Fi *	✗

Features

Motherboard chipset *	AMD A520
Audio chip	Realtek ALC887
Audio output channels *	7.1 channels
PC health monitoring	CPU, Fan, 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

Internal I/O	
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)	✓
Power fan connector	✓
CPU fan connector	✓
Chassis intrusion connector	✓
TPM connector	✓
Serial port headers	1
12V power connector	✓
RGB LED pin header	✓

Rear panel I/O ports	
USB 2.0 ports quantity *	2

Expansion slots	
Number of M.2 (M) slots	1

BIOS	
BIOS type *	UEFI AMI
BIOS memory size	128 Mbit
ACPI version	5.0
Clear CMOS jumper	✓
Clear CMOS button	✓
Desktop Management Interface (DMI) version	2.7
System Management BIOS (SMBIOS) version	2.7

Weight & dimensions	
Width	233 mm
Depth	198 mm

Packaging content	
Cables included	SATA
Drivers included	✓
Bundled software	Norton® Internet Security (OEM version) LAN bandwidth management software

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