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

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- 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

Processor manufacturer *	AMD
Processor socket *	Socket AM4
Compatible processor series *	AMD Ryzen™ 3, AMD Ryzen™ 5, AMD Ryzen™ 7, 3rd Generation AMD Ryzen™ 9, AMD Ryzen 9 5th Gen
Supported processor sockets	Socket AM4

Memory

Supported memory types *	DDR4-SDRAM
Number of memory slots *	2
Memory slots type	DIMM
Memory channels	Dual-channel
ECC compatibility	ECC & Non-ECC
Supported memory clock speeds	2133,2400,2667,2933,3200,3400,3466,3600,3733,3866,4000,4133,4266,4400,4600,4800,5100 MHz
Supported memory clock speed (max)	5100 MHz
Maximum internal memory *	64 GB
Unbuffered memory	✓

Storage controllers

Supported storage drive types	HDD & SSD
Supported storage drive interfaces *	M.2, SATA III
Number of storage drives supported	5
RAID support	✓
RAID levels	0, 1, 10

Graphics

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

Rear panel I/O ports

Headphone outputs	3
Microphone in	✓
USB connector type	USB Type-A

Network

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

Features

Motherboard chipset *	AMD A520
Audio output channels *	7.1 channels
PC health monitoring	Fan, Temperature, Voltage
Component for *	PC
Motherboard form factor *	micro ATX
Motherboard chipset family *	AMD
Windows operating systems supported	Windows 10 x64, Windows 11 x64

Expansion slots

PCI Express x1 slots	1
PCI Express x16 slots	1
Number of M.2 (M) slots	1

BIOS

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

Internal I/O

Front panel audio connector	✔
Front panel connector	✔
ATX Power connector (24-pin)	✔
CPU fan connector	✔
Chassis intrusion connector	✔
EPS power connector (8-pin)	✔
TPM connector	✔
12V power connector	✔

Rear panel I/O ports

USB 2.0 ports quantity *	2
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
VGA (D-Sub) ports quantity *	1
HDMI ports quantity *	1
HDMI version	2.1

Logistics data

Country of origin	China
Products per shipping (inner) case	1 pc(s)

Battery

Battery weight	3 g
Lithium weight per battery	0.07 g
Number of battery cells	1
Battery technology	Lithium-Manganese Dioxide (LiMnO2)
Battery type	CR2032

Packaging data

Package width	265 mm
Package depth	235 mm
Package height	52 mm
Package weight	675 g

Weight & dimensions

Width	233 mm
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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