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GIGABYTE H510M K V2 Motherboard - Supports Intel Core 11th CPUs, up to 3200MHz DDR4 (OC), 1xPCIe 3.0 M.2, GbE LAN, USB 3.2 Gen 1

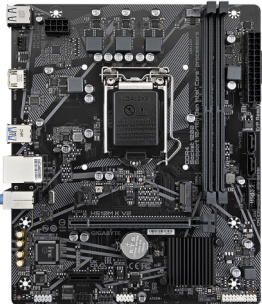**Brand :** GIGABYTE   **Product code:** H510M K V2

Product name : H510M K V2 Motherboard - Supports Intel Core 11th CPUs, up to 3200MHz DDR4 (OC), 1xPCIe 3.0 M.2, GbE LAN, USB 3.2 Gen 1

- Supports 11th/10th Gen Intel® Core™ Processors
- Dual Channel Non-ECC Unbuffered DDR4, 2 DIMMs
- 8-Channel HD Audio with High Quality Audio Capacitors
- NVMe PCIe Gen3 x4 2280 M.2 Connector
- GbE LAN with Bandwidth Management
- Smart Fan 5 features Multiple Temperature Sensors and Hybrid Fan Headers with FAN STOP
- GIGABYTE APP Center, Simple and Easy Use
- Anti-Sulfur Resistors Design
LGA1200, Intel H470 Express, 2 x DDR4, 1 x HDMI, Micro ATX

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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 *	Intel
Processor socket *	LGA 1200 (Socket H5)
Compatible processor series *	Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9
Maximum number of SMP processors	1
Supported processor sockets	LGA 1200 (Socket H5)
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	2133,2400,2666,2933,3000,3200 MHz
Supported memory clock speed (max)	3200 MHz
Maximum internal memory *	64 GB
Supported memory module capacities	1GB, 2GB, 4GB, 8GB, 12GB, 16GB, 32GB

Storage controllers

Supported storage drive types	SSD
Supported storage drive interfaces *	M.2, PCI Express 3.0, SATA
Number of HDDs supported	2
Number of storage drives supported	3

Graphics

On-board graphics card	✓
Graphics card family	Intel
Graphics card	HD Graphics

Rear panel I/O ports

Ethernet LAN (RJ-45) ports *	1
HDMI ports quantity *	1
Headphone outputs	1
Line-in	✓
Microphone in	✓

Network

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

Features

Motherboard chipset *	Intel H470 Express
Audio output channels *	7.1 channels
Product colour	Brown
PC health monitoring	Fan, Temperature, Voltage
Component for *	PC
Motherboard form factor *	micro ATX
Motherboard chipset family *	Intel
Cooling type	Active
Power source type	ATX
Windows operating systems supported	Windows 10 x64, Windows 11 x64

Expansion slots

Mini PCI Express 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

Graphics

Maximum resolution	4096 x 2160 pixels
HDCP	✔
DirectX version	12.0

Internal I/O

USB 2.0 connectors *	1
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1
Number of SATA III connectors *	2
Total number of SATA connectors	2
Front panel audio connector	✔
ATX Power connector (24-pin)	✔
Power fan connector	✔
CPU fan connector	✔
EPS power connector (8-pin)	✔
Serial port headers	1
12V power connector	✔
RGB LED pin header	✔

Rear panel I/O ports

USB 2.0 ports quantity *	4
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2

BIOS

System Management BIOS (SMBIOS) version	2.7

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	683 g

Weight & dimensions

Width	226 mm
Depth	185 mm
Height	35 mm

Packaging content

Batteries included	✔
Bundled software	Norton® Internet Security (OEM version) LAN bandwidth management software

Technical details

Warranty period	3 year(s)

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