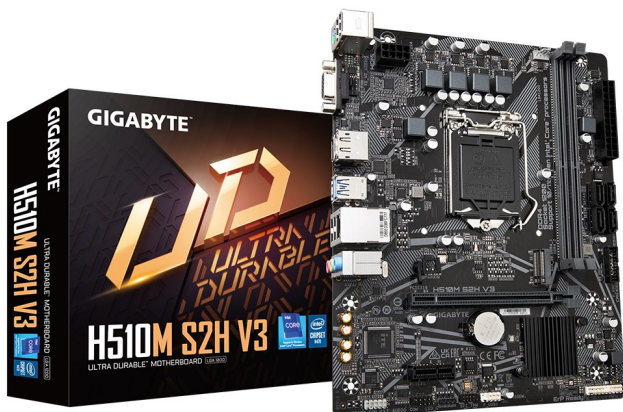


Gigabyte H510M S2H V3 (rev. 1.0)



Artikel	130886
Herstellernummer	H510M S2H V3
EAN	4719331855420
Gigabyte	

GbE LAN with Bandwidth Management

GbE LAN features a network bandwidth management application which helps to improve network latency and maintain low ping times to deliver better responsiveness in crowded LAN environments.

NVMe PCIe Gen3 x4 2280 M.2 Connector

GIGABYTE Motherboards are focused on delivering M.2 technology to enthusiasts who want to maximize their system's potential.

Smart Fan 5

With Smart Fan 5 users can ensure that their gaming PC can maintain its performance while staying cool. Smart Fan 5 allows users to interchange their fan headers to reflect different thermal sensors at different locations on the motherboard. Not only that, with Smart Fan 5 more hybrid fan headers that support both PWM and Voltage mode fans have been introduced to make the motherboard more liquid cooling friendly.

Achieve fan silence. With Fan Stop, map any fan to stop completely when temperatures drop below a specified threshold. Which fan stops, based on readings from which sensor, and at what temperature—all of it can be customized to your liking.

High-End Audio Capacitors

GIGABYTE motherboards use high-end audio capacitors. These high quality capacitors help deliver high resolution and high fidelity audio to provide the most realistic sound effects for gamers.

Audio Noise Guard

GIGABYTE motherboards feature an audio noise guard that essentially separates the board's sensitive analog audio components from potential noise pollution at the PCB level.

START SULFURIZATION PROTECTION

Sulfur compounds in the air can penetrate tiny onboard resistors creating chemical change and causing these resistors to open or short. If either of these occurs the motherboard will fail to function. By equipping resistors with an Anti-Sulfur Design GIGABYTE gives Ultra Durable Motherboards a whole new meaning.

The Industry's Leading Surge Protection

GIGABYTE motherboards also feature special anti-surge IC that protect your motherboard, helping to ensure that your PC is equipped to deal with any potentially irregular electrical spikes.

Humidity Protection Glass Fabric PCB

There is nothing more harmful to the longevity of your PC than moisture, and most parts of the world experience moisture in the air as humidity at some point during the year. GIGABYTE motherboards have been designed to make sure that humidity is never an issue, incorporating a new Glass Fabric PCB technology that repels moisture caused by humid and damp conditions. Glass Fabric PCB technology uses a new PCB material which reduces the amount of space between the fiber weave, making it much more difficult for moisture to penetrate compared to traditional motherboard PCBs. This offers much better protection from short circuit and system

malfunction caused by humid and damp conditions.

High Temperature Protection Lower RDS(on) MOSFETs Design

GIGABYTE motherboards use Low RDS(on) MOSFETs which reduce energy wastage through unnecessary residual heat dissipation. This all amounts to tangible energy savings which are beneficial for both end-users and the environment without impacting system performance.

Refreshed BIOS

The BIOS is essential for users during initial setup to allow for the most optimal settings. With a new GUI and easier to use functionalities, GIGABYTE has been able to reinvent the BIOS to give users a better experience while setting up their new system.

4K resolution is the next technological milestone in high-definition content delivery, utilizing approximately 4,000 pixels on the horizontal axis, more than four times today's standard HD pixel density. GIGABYTE motherboards provide native 4K support with integrated Intel® HD Graphics via HDMI.

HDMI™ is a High-Definition Multimedia Interface which provides up to 5Gb/s video transmitting bandwidth and 8-channel high quality audio all through a single cable. Able to transmit superior, uncompressed digital video and audio, HDMI™ ensures the crispest rendering of digital content up to 1080p without the quality losses associated with analog interfaces and their digital-to-analog conversion. In addition, HDMI™ is compatible with HDCP (High-bandwidth Digital Content Protection), allowing the playback of Blu-ray/HD DVD and other protected media content.

Zusammenfassung

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Gigabyte H510M S2H V3 (rev. 1.0), Intel, LGA 1200 (Socket H5), Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9, Intel® Pentium®, LGA 1200 (Socket H5), DDR4-SDRAM, 64 GB

Gigabyte H510M S2H V3 (rev. 1.0). Processor manufacturer: Intel, Processor socket: LGA 1200 (Socket H5), Compatible processor series: Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9, Intel® Pentium®. Supported memory types: DDR4-SDRAM, Maximum internal memory: 64 GB, Memory slots type: DIMM. Supported storage drive interfaces: M.2, PCI Express 3.0, SATA III, Supported storage drive types: HDD & SSD. Maximum resolution: 4096 x 2304 pixels. USB connector type: USB Type-A

Merkmale

		Processor	
Other features		Processor manufacturer	Intel
Weight	385 g	Processor socket	LGA 1200 (Socket H5)
		Compatible processor series	Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9, Intel® Pentium®
		Supported processor sockets	LGA 1200 (Socket H5)
Packaging content		BIOS	
Cables included	SATA	BIOS type	UEFI AMI
Drivers included	Y	BIOS memory size	128 Mbit
Expansion slots		ACPI version	5.0
PCI Express x1 slots	2	Clear CMOS jumper	Y
PCI Express x16 slots	1	Desktop Management Interface (DMI) version	2.7
Number of M.2 (M) slots	1	System Management BIOS (SMBIOS) version	2.7
Network		Features	
Ethernet LAN	Y	Motherboard chipset	Intel H470 Express
Ethernet interface type	Gigabit Ethernet	Audio output channels	7.1 channels
Wi-Fi	N	PC health monitoring	Fan, Temperature, Voltage
Storage controllers		Component for	PC
Supported storage drive types	HDD & SSD	Motherboard form factor	micro ATX
Supported storage drive	M.2, PCI Express 3.0, SATA	Motherboard chipset family	Intel
		Windows operating systems	Windows 10 x64

interfaces	III
Number of storage drives supported	5

Weight & dimensions

Width	226 mm
Depth	185 mm
Height	52 mm

Graphics

Parallel processing technology support	Not supported
Maximum resolution	4096 x 2304 pixels
HDCP	Y
Number of displays supported	2

supported

Memory

Supported memory types	DDR4-SDRAM
Number of memory slots	2
Memory slots type	DIMM
Memory channels	Dual-channel
ECC	Y
Non-ECC	Y
Supported memory clock speeds	2133,2400,2666,2933,3000,3200 MHz
Maximum internal memory	64 GB
Unbuffered memory	Y

Rear panel I/O ports

USB 2.0 ports quantity	4
USB 3.2 Gen 1 (3.1 Gen 1) Type-2 A ports quantity	
Ethernet LAN (RJ-45) ports	1
PS/2 ports quantity	2
VGA (D-Sub) ports quantity	1
HDMI ports quantity	1
DisplayPorts quantity	1
DisplayPort version	1.2
Microphone in	Y
USB connector type	USB Type-A

Internal I/O

USB 2.0 connectors	1
USB 3.2 Gen 1 (3.1 Gen 1) connectors	1
Number of SATA III connectors	4
Front panel audio connector	Y
Front panel connector	Y
ATX Power connector (24-pin)	Y
CPU fan connector	Y
Number of chassis fan connectors	2
EPS power connector (8-pin)	Y
TPM connector	Y
Serial port headers	1
12V power connector	Y
RGB LED pin header	Y

Preisänderungen und Irrtümer vorbehalten. Alle Produkte solange der Vorrat reicht.