

Gigabyte B550M K 1.0 motherboard

Artikel	129872
Herstellernummer	B550M K 1.0
EAN	4719331852764
Gigabyte	



Dual NVMe PCIe 4.0*/3.0 M.2 Connectors

With NVMe PCIe 4.0*/3.0 x4 and PCIe 3.0 x2 M.2 connectors onboard, GIGABYTE Motherboards bring users to experience NVMe mode or SATA mode connectivity for M.2 SSD devices. Delivering up to 64 Gb/s data transfer speed, the dual M.2 connectors design provides an ideal storage solution while also supporting in RAID modes.

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.

HDMI 2.1 for 4K / 60P / 21:9 / HDCP 2.3 Support

HDMI 2.1, which is backwards compatible with HDMI 2.0/ 1.4 and offering 48 Gb/s of bandwidth – twice times more than previous generation. This unlocks the potential for users to transfer multiple video streams, as well as a native cinematic 21:9 ratio (which most movies are shot in), Full HDR and HDCP 2.3 support, to offer the best visual experience for viewers.

The Industry's Leading LAN Static-Electricity & Surge Protection

GIGABYTE motherboards use ICs with up to 3 times the ESD resistance levels compared to traditional ICs. This helps to better protect the motherboard and its components against potential damage caused by static electricity. GIGABYTE motherboards also feature special anti-surge ICs that protect your motherboard, and your PC from any surge in power delivery that may occur, helping to ensure that your PC is equipped to deal with any potentially irregular and inconsistent power delivery.

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.

Solid Pin Power Connectors

B550 motherboards feature solid plated ATX 12V 8pin power connectors for offering stable power supply while CPU overloading.

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.

APP CENTER

GIGABYTE APP CENTER is an useful portal of all GIGABYTE MB utilities and drivers, you can choose any utility you want to install from APP CENTER and keep you updated with latest utilities and drivers version

EasyTune™

GIGABYTE's EasyTune™ is a simple and easy-to-use interface that allows users to fine-tune their system settings or adjust system and memory clocks and voltages in a Windows environment. With Smart Quick Boost, one click is all it takes to automatically overclock your system, giving an added performance boost when you need it the most.

@BIOS

The GIGABYTE @BIOS app allows you to update your system's BIOS from within Windows using a simple and slick graphical user interface. @BIOS can automatically download the latest version from the GIGABYTE servers or you can update your BIOS from a file on your computer. @BIOS also allows you to save your current BIOS to a file, recover your previous BIOS from an image and backup your BIOS to an image.

System Information Viewer

GIGABYTE System Information Viewer is a central location that gives you access to your current system status. Monitor components such as the clocks and processor, set your preferred fan speed profile, create alerts when temperatures get too high or record your system's behavior; these are the possibilities of the System Information Viewer.

Zusammenfassung

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Gigabyte B550M K 1.0, AMD, Socket AM4, AMD Ryzen™ 5, DDR4-SDRAM, 128 GB, DIMM

Gigabyte B550M K 1.0. Processor manufacturer: AMD, Processor socket: Socket AM4, Compatible processor series: AMD Ryzen™ 5. Supported memory types: DDR4-SDRAM, Maximum internal memory: 128 GB, Memory slots type: DIMM. Supported storage drive interfaces: M.2, PCI Express 3.0, PCI Express 4.0, SATA, Supported storage drive types: SSD, RAID levels: 0, 1, 10. Graphics card family: AMD, Maximum resolution: 5120 x 2880 pixels. Ethernet interface type: Gigabit Ethernet

Merkmale

Packaging content

Bundled software	Norton® Internet Security (OEM version) LAN bandwidth management software
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Expansion slots

PCI Express x1 slots	1
PCI Express x16 slots	1

Weight & dimensions

Width	244 mm
Depth	244 mm

Network

Ethernet LAN	Yes
Ethernet interface type	Gigabit Ethernet
Wi-Fi	No

Processor

Processor manufacturer	AMD
Processor socket	Socket AM4
Compatible processor series	AMD Ryzen™ 5

Graphics

On-board graphics card	Yes
Graphics card family	AMD
Maximum resolution	5120 x 2880 pixels

Storage controllers

Supported storage drive types	SSD
Supported storage drive interfaces	M.2, PCI Express 3.0, PCI Express 4.0, SATA
Number of storage drives supported	2
RAID support	Yes
RAID levels	0, 1, 10

BIOS

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

Features

Motherboard chipset	AMD B550
Audio output channels	7.1 channels
PC health monitoring	Fan, 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, Windows 11 x64

Memory

Supported memory types	DDR4-SDRAM
Number of memory slots	4
Memory slots type	DIMM

HDCP	Yes	Memory channels	Dodeca-channel
		ECC	Yes
		Non-ECC	Yes
		Supported memory clock speeds	2133,2400,2667,2933,3200,3400,3466,3600,3733,3866,4000,4133,4266,4400,4600,4733 MHz
		Supported memory clock speed (max)	4733 MHz
		Maximum internal memory	128 GB
		Supported memory module capacities	32GB
		Unbuffered memory	Yes

Rear panel I/O ports

USB 2.0 ports quantity	4
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity	
Ethernet LAN (RJ-45) ports	1
PS/2 ports quantity	1
HDMI ports quantity	1
HDMI version	2.1
DisplayPorts quantity	1
DisplayPort version	1.4
Headphone outputs	1
Line-in	Yes
Microphone in	Yes

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
Audio connector	Yes
Front panel audio connector	Yes
Front panel connector	Yes
ATX Power connector (24-pin)	Yes
Power fan connector	Yes
CPU fan connector	Yes
EPS power connector (8-pin)	Yes
TPM connector	Yes
12V power connector	Yes

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