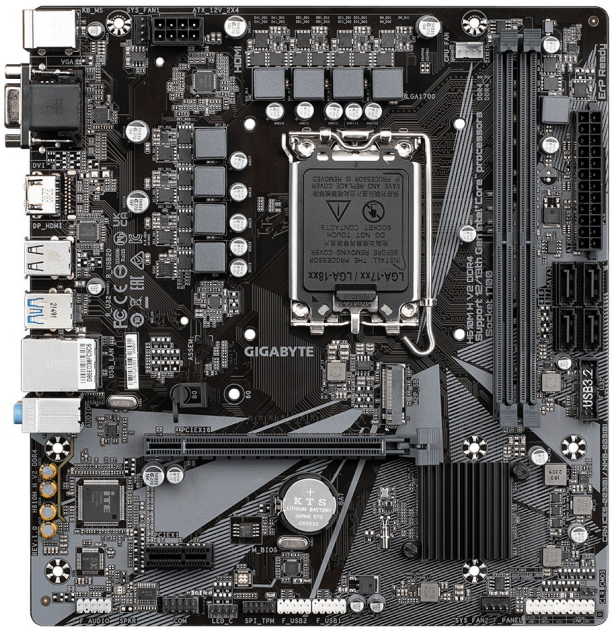
Gigabyte H610M H V2 DDR4 (rev. 1.0)



Artikel	130659
Herstellernummer	H610M H V2 DDR4
EAN	4719331851743

Gigabyte

Cleaner and more efficient power delivery to the CPU with better thermal performance ensure stability under high CPU frequencies and heavy loading.
- 6+1+1 Phases Low RDS(on) MOSFETs
- Solid capacitors to improve transient response and minimize oscillation.
- 8-pin Solid Pin CPU Power Connector.

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

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
H610 motherboards feature solid plated ATX 12V 8pin power connectors to offer a stable power supply during CPU overloading.

Solid Pin Power connector advantages
- Larger contact area for electricity
- More metal quantity to sustain higher power and generated heat
- Ultra durable and longer lifespan

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.

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 a useful portal of all GIGABYTE MB utilities and drivers, you can choose any utility you want to install from APP CENTER and keep updated with the 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.

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

Cleaner and more efficient power delivery to the CPU with better thermal performance ensure stability under high CPU frequencies and heavy loading.
- 6+1+1 Phases Low RDS(on) MOSFETs
- Solid capacitors to improve transient response and minimize oscillation.
- 8-pin Solid Pin CPU Power Connector.

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

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
H610 motherboards feature solid plated ATX 12V 8pin power connectors to offer a stable power supply during CPU overloading.

Solid Pin Power connector advantages
- Larger contact area for electricity
- More metal quantity to sustain higher power and generated heat
- Ultra durable and longer lifespan

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.

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 a useful portal of all GIGABYTE MB utilities and drivers, you can choose any utility you want to install from APP CENTER and keep updated with the 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.

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.

Gigabyte H610M H V2 DDR4 (rev. 1.0), Intel, LGA 1700, Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9,..., DDR4-SDRAM, 64 GB, DIMM

Gigabyte H610M H V2 DDR4 (rev. 1.0). Processor manufacturer: Intel, Processor socket: LGA 1700, Compatible processor series: Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9,.... Supported memory types: DDR4-SDRAM, Maximum internal memory: 64 GB, Memory slots type: DIMM. Supported storage drive interfaces: M.2, SATA III, Supported storage drive types: HDD & SSD. Graphics card family: Intel, Graphics card: HD Graphics, Maximum resolution: 4096 x 2160 pixels. Ethernet interface type: Fast Ethernet, Gigabit Ethernet

Merkmale

Packaging content

Bundled software	Norton Internet Security LAN bandwidth management software

Storage controllers

Supported storage drive types	HDD & SSD
Supported storage drive interfaces	M.2, SATA III

Weight & dimensions

Width	230 mm
Depth	215 mm

Graphics

Graphics card family	Intel
Graphics card	HD Graphics
Maximum resolution	4096 x 2160 pixels

Network

Ethernet LAN	Y
Ethernet interface type	Fast Ethernet, Gigabit Ethernet
Wi-Fi	N

Expansion slots

PCI Express x1 slots	1
PCI Express x16 slots	1
PCI Express slots version	4.0
Number of M.2 (M) slots	1

BIOS

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

Features

Motherboard chipset	Intel H610
Audio output channels	7.1 channels
Component for	PC
Motherboard form factor	micro ATX
Motherboard chipset family	Intel
Windows operating systems supported	Windows 10 Education x64, Windows 10 Enterprise x64, Windows 10 Home x64, Windows 10 Pro x64, Windows 10 x64, Windows 11 Enterprise x64, Windows 11 x64

Memory

Supported memory types	DDR4-SDRAM

Processor

Processor manufacturer	Intel
Processor socket	LGA 1700
Compatible processor series	Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9, Intel® Pentium® Gold

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
Supported memory module capacities	4GB, 8GB, 16GB, 32GB
Unbuffered memory	Y

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
Ethernet LAN (RJ-45) ports	1
PS/2 ports quantity	2
VGA (D-Sub) ports quantity	1
HDMI ports quantity	1
HDMI version	2.1
Headphone outputs	1
Line-in	Y
Microphone in	Y

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
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
TPM connector	Y
Serial port headers	1
RGB LED pin header	Y

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