GIGABYTE

Gigabyte H610M K DDR4 motherboard Intel H610 Express LGA 1700 micro ATX

Brand : Gigabyte

Product code: H610M K DDR4

Product name : H610M K DDR4

LGA 1700, Intel H610 Express, 2 x DDR4 3200 MHz, 1 x HDMI, GbE LAN, 1 x M.2, 2 x SATA

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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.

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

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.

Processor	
Processor manufacturer *	Intel
Processor socket *	LGA 1700
Compatible processor series *	Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i7, Intel® Core™ i9, Intel® Pentium® Gold
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 interfaces *	M.2, SATA
Number of HDDs supported	2
Number of storage drives supported	1

Graphics	
On-board graphics card	✓
Graphics card family	Intel
Graphics card	HD Graphics
Maximum resolution	4096 x 2160 pixels
HDCP	✓

Internal I/O	
TPM connector	✓
12V power connector	✓

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
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 H610 Express
Audio output channels *	7.1 channels
Product colour	Black
PC health monitoring	Fan, Temperature, Voltage, Water cooling
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	
PCI slots	1
Number of M.2 (M) slots	1

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
Audio connector	✓
Front panel audio connector	✓
Front panel connector	✓
ATX Power connector (24-pin)	✓
Power fan connector	✓
CPU fan connector	✓

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
System Management BIOS (SMBIOS) version	2.7

Weight & dimensions	
Width	226 mm
Depth	185 mm

Packaging content	
Bundled software	Norton® Internet Security (OEM version) LAN bandwidth management software

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