

## GIGABYTE H610M GAMING WF DDR4 Motherboard - Supports Intel Core 14th CPUs, 6+1+1 Hybrid Digital VRM, up to 3200MHz DDR4, 2xPCIe 3.0 M.2, Wi-Fi 802.11ac, GbE LAN , USB 3.2 Gen 1

**Brand :** GIGABYTE

**Product code:** H610M GAMING WF DDR4

**Product name :** H610M GAMING WF DDR4 Motherboard - Supports Intel Core 14th CPUs, 6+1+1 Hybrid Digital VRM, up to 3200MHz DDR4, 2xPCIe 3.0 M.2, Wi-Fi 802.11ac, GbE LAN , USB 3.2 Gen 1

- Supports Intel® Core™ 14th/ 13th /12th processors
  - Dual Channel Non-ECC Unbuffered DDR4, 2 DIMMs
  - 6+1+1 Hybrid Digital VRM Design
  - EZ-Latch[]PCIe 4.0x16 Slot with Quick Release Design
  - Fast Networks[]Wi-Fi 802.11ac & GbE LAN
  - NVMe PCIe 3.0 x4 M.2
  - High Quality Audio Capacitors and Audio Noise Guard
  - Smart Fan 6 Features Multiple Temperature Sensors , Hybrid Fan Headers with FAN STOP
- LGA1700, Intel® Core 14th, 2 x DDR4, 1 x HDMI, GbE LAN, Micro ATX, H610 Express

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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		Rear panel I/O ports	
Processor manufacturer *	Intel	Headphone outputs	3
Processor socket *	LGA 1700	Microphone in	✓
Compatible processor series *	Intel® Celeron®, Intel® Core™ i3, Intel® Core™ i5, Intel® Core™ i7, Intel® Core™ i9, Intel® Pentium® Gold	USB connector type	USB Type-A
Supported processor sockets	LGA 1700	Network	
Maximum internal memory supported by processor	64 GB	Ethernet LAN	✓
		Ethernet interface type	Gigabit Ethernet
		Wi-Fi *	✓
		Top Wi-Fi standard	Wi-Fi 6 (802.11ax)
		Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac)
		Bluetooth	✓
		Bluetooth version	5.1
Memory		Features	
Supported memory types *	DDR4-SDRAM	Motherboard chipset *	Intel H610 Express
Number of memory slots *	2	Audio chip	Realtek ALC897
Memory slots type	DIMM	Audio output channels *	7.1 channels
Memory channels	Dual-channel	Product colour	Brown
ECC	✓	PC health monitoring	Fan, Temperature, Voltage, Water cooling
Non-ECC	✓	Component for *	PC
Supported memory clock speeds	2133,2400,2666,2933,3000,3200 MHz	Motherboard form factor *	micro ATX
Supported memory clock speed (max)	3200 MHz	Motherboard chipset family *	Intel
Maximum internal memory *	64 GB	Cooling type	Active
Supported memory module capacities	1GB, 2GB, 4GB, 8GB, 12GB, 16GB, 32GB	Power source type	ATX
Unbuffered memory	✓	Windows operating systems supported	Windows 10 x64, Windows 11 x64
Storage controllers		Expansion slots	
Supported storage drive types	HDD & SSD	PCI Express x1 slots	1
Supported storage drive interfaces *	M.2, SATA III	PCI Express x16 slots	1
Number of HDDs supported	4	Number of M.2 (M) slots	1
Number of storage drives supported	5		

Graphics		BIOS	
Parallel processing technology support *	Not supported	BIOS type *	UEFI AMI
Graphics card family	Intel	BIOS memory size	128 Mbit
Graphics card	HD Graphics	ACPI version	5.0
Maximum resolution	4096 x 2304 pixels	Clear CMOS jumper	✓
HDCP	✓	Clear CMOS button	✓
DirectX version	12.0	Desktop Management Interface (DMI) version	2.7
<b>Internal I/O</b>		System Management BIOS (SMBIOS) version	2.7
USB 2.0 connectors *	2	<b>Logistics data</b>	
USB 3.2 Gen 1 (3.1 Gen 1) connectors *	1	Country of origin	China
Number of SATA III connectors *	4	Products per shipping (inner) case	1 pc(s)
Total number of SATA connectors	4	<b>Battery</b>	
Front panel audio connector	✓	Battery weight	3 g
Front panel connector	✓	Lithium weight per battery	0.07 g
ATX Power connector (24-pin)	✓	Number of battery cells	1
CPU fan connector	✓	Battery technology	Lithium-Manganese Dioxide (LiMnO2)
EPS power connector (8-pin)	✓	Battery type	CR2032
TPM connector	✓	<b>Packaging data</b>	
Serial port headers	1	Package width	270 mm
12V power connector	✓	Package depth	268 mm
RGB LED pin header	✓	Package height	68 mm
<b>Rear panel I/O ports</b>		Package weight	1.18 kg
USB 2.0 ports quantity *	4	<b>Weight &amp; dimensions</b>	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Width	244 mm
Ethernet LAN (RJ-45) ports *	1	Depth	220 mm
PS/2 ports quantity	1	Height	35 mm
VGA (D-Sub) ports quantity *	1	<b>Packaging content</b>	
HDMI ports quantity *	1	Cables included	SATA
DVI-D ports quantity *	1	Batteries included	✓
DisplayPorts quantity	2	Bundled software	Norton Internet Security (OEM version) LAN bandwidth management software
<b>Technical details</b>		Warranty period	3 year(s)



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