

## GIGABYTE G5 MF-E2US313SH laptop Intel® Core™ i5 i5-12500H 39.6 cm (15.6") Full HD 16 GB DDR4-SDRAM 512 GB SSD NVIDIA GeForce RTX 4050 Wi-Fi 6E (802.11ax) Windows 11 Home Black

**Brand :** GIGABYTE

**Product code:** G5 MF-E2US313SH

**Product name :** G5 MF-E2US313SH



- Windows 11 Home  
- Intel Core i5-12500H (18MB Cache)  
- 39.6 cm (15.6") Full HD 1920 x 1080, NVIDIA GeForce RTX 4050 (6GB GDDR6)  
- 16GB (3200MHz) DDR4-SDRAM & 512GB SSD  
Intel Core i5-12500H (18MB Cache), 16GB DDR4-SDRAM, 512GB SSD, 39.6 cm (15.6") Full HD 1920 x 1080, NVIDIA GeForce RTX 4050 (6GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home  
GIGABYTE G5 MF-E2US313SH. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-12500H. Display diagonal: 39.6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel Iris Xe Graphics, Discrete graphics card model: NVIDIA GeForce RTX 4050. Operating system installed: Windows 11 Home.  
Product colour: Black



Design		Audio	
Product type *	Laptop	Number of built-in speakers	2
Product colour *	Black	Speaker power	2 W
Form factor *	Clamshell	Camera	
Display		Front camera	✓
Display diagonal *	39.6 cm (15.6")	Front camera resolution (numeric)	1 MP
Display resolution *	1920 x 1080 pixels	Front camera HD type	HD
Touchscreen *	✗	Network	
HD type	Full HD	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Native aspect ratio	16:9	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Maximum refresh rate	144 Hz	Mobile network connection *	✗
Processor		WLAN controller manufacturer	Intel
Processor manufacturer *	Intel	Ethernet LAN	✓
Processor family *	Intel® Core™ i5	Ethernet LAN data rates	10,100,1000 Mbit/s
Processor generation	12th gen Intel® Core™ i5	Bluetooth	✓
Processor model *	i5-12500H	Bluetooth version	5.2
Processor cores	12	Ports & interfaces	
Processor boost frequency	4.5 GHz	USB 2.0 ports quantity *	1
Performance cores	4	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Efficient cores	8	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2
Performance-core Max Turbo Frequency	4.5 GHz	Ethernet LAN (RJ-45) ports	1
Efficient-core Max Turbo Frequency	3.3 GHz	HDMI ports quantity *	1
Processor cache	18 MB	Mini DisplayPorts quantity	1
Processor cache type	Smart Cache	Combo headphone/mic port	✓
Configurable TDP-down	35 W	Charging port type	DC-in jack
Processor base power	45 W	Keyboard	
Maximum turbo power	95 W	Pointing device	Touchpad

<b>Memory</b>		<b>Keyboard</b>	
Internal memory *	16 GB	Numeric keypad *	✓
Internal memory type	DDR4-SDRAM	Keyboard backlit	✓
Memory clock speed	3200 MHz	<b>Software</b>	
Maximum internal memory *	64 GB	Operating system installed *	Windows 11 Home
<b>Storage</b>		<b>Processor special features</b>	
Total storage capacity *	512 GB	Intel Flex Memory Access	✓
Storage media *	SSD	Intel Trusted Execution Technology	✓
Total SSDs capacity	512 GB	Intel VT-x with Extended Page Tables (EPT)	✓
Number of SSDs installed	1	Execute Disable Bit	✓
SSD capacity	512 GB	CPU configuration (max)	1
SSD interface	PCI Express 4.0	Embedded options available	✗
NVMe	✓	Intel Virtualization Technology for Directed I/O (VT-d)	✓
SSD form factor	M.2	Intel Virtualization Technology (VT-x)	✓
Optical drive type *	✗	<b>Battery</b>	
Card reader integrated	✓	Battery technology	Lithium-Ion (Li-Ion)
Compatible memory cards	MicroSD (TransFlash)	Battery capacity *	54 Wh
<b>Graphics</b>		<b>Power</b>	
Discrete GPU manufacturer	NVIDIA	AC adapter power	150 W
Discrete graphics card model *	NVIDIA GeForce RTX 4050	<b>Security</b>	
Discrete graphics card memory	6 GB	Cable lock slot	✓
Discrete graphics memory type	GDDR6	Trusted Platform Module (TPM)	✓
On-board graphics card *	✓	<b>Weight &amp; dimensions</b>	
On-board GPU manufacturer	Intel	Width	360 mm
Discrete graphics card *	✓	Depth	238 mm
On-board graphics card family	Intel Iris Xe Graphics	Height	22.7 mm
On-board graphics card model *	Intel Iris Xe Graphics	Weight *	1.9 kg
<b>Audio</b>			
Audio system	DTS:X Ultra		



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