



**MSI Gaming RAIDER GE78HX 13VH-259UK laptop Intel® Core™ i9 i9-13980HX 43.2 cm (17") Quad HD+ 32 GB DDR5-SDRAM 2 TB SSD NVIDIA GeForce RTX 4080 Wi-Fi 6E (802.11ax) Windows 11 Home Advanced Black**



**Brand :** MSI

**Product family:** Gaming

**Product code:** RAIDER GE78HX 13VH-259UK

**Product name :** RAIDER GE78HX 13VH-259UK

- Windows 11 Home Advanced  
 - Intel Core i9-13980HX (36MB Cache)  
 - 43.2 cm (17") Quad HD+ 2560 x 1600, NVIDIA GeForce RTX 4080 (12GB GDDR6)  
 - 32GB (5600MHz) DDR5-SDRAM (2 x 16) & 2000GB SSD  
 Intel Core i9-13980HX (36MB Cache), 32GB DDR5-SDRAM, 2000GB SSD, 43.2 cm (17") Quad HD+ 2560 x 1600, Intel UHD Graphics, NVIDIA GeForce RTX 4080 (12GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home Advanced  
 MSI Gaming RAIDER GE78HX 13VH-259UK. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i9, Processor model: i9-13980HX. Display diagonal: 43.2 cm (17"), HD type: Quad HD+, Display resolution: 2560 x 1600 pixels. Internal memory: 32 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 2 TB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics, Discrete graphics card model: NVIDIA GeForce RTX 4080. Operating system installed: Windows 11 Home Advanced. Product colour: Black

Design		Graphics	
Colour name	Core Black	On-board graphics card family	Intel® UHD Graphics
Product type *	Laptop	On-board graphics card model *	Intel® UHD Graphics
Product colour *	Black	<b>Audio</b>	
Form factor *	Clamshell	Number of built-in speakers	2
<b>Display</b>		Speaker power	2 W
Display diagonal *	43.2 cm (17")	<b>Camera</b>	
Display resolution *	2560 x 1600 pixels	Front camera	✓
Touchscreen *	✗	Front camera HD type	Full HD
HD type	Quad HD+	Video capturing speed	30 fps
Native aspect ratio	16:10	Infrared (IR) camera	✓
RGB colour space	DCI-P3	<b>Network</b>	
Colour gamut	100%	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Maximum refresh rate	240 Hz	Wi-Fi standards	Wi-Fi 6E (802.11ax)
<b>Processor</b>		Mobile network connection *	✗
Processor manufacturer *	Intel	WLAN controller model	Intel Wi-Fi 6E AX1690i
Processor family *	Intel® Core™ i9	WLAN controller manufacturer	Intel
Processor generation	13th gen Intel® Core™ i9	Ethernet LAN	✓
Processor model *	i9-13980HX	Bluetooth	✓
Processor cores	24	Bluetooth version	5.3
Processor boost frequency	5.6 GHz	<b>Ports &amp; interfaces</b>	
Performance cores	8	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Efficient cores	16	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2
Performance-core Max Turbo Frequency	5.6 GHz	Ethernet LAN (RJ-45) ports	1
Efficient-core Max Turbo Frequency	4 GHz	HDMI ports quantity *	1
Processor cache	36 MB	Thunderbolt 4 ports quantity	1
Processor cache type	Smart Cache	Intel® Thunderbolt 4	✓
Processor base power	55 W	Combo headphone/mic port	✓
Maximum turbo power	157 W	USB Type-C DisplayPort Alternate Mode	✓
<b>Memory</b>			
Internal memory *	32 GB		
Internal memory type	DDR5-SDRAM		

<b>Memory</b>		<b>Performance</b>	
Memory clock speed	5600 MHz	Motherboard chipset	Intel HM770
Memory layout (slots x size)	2 x 16 GB	<b>Keyboard</b>	
Maximum internal memory *	64 GB	Pointing device	Touchpad
<b>Storage</b>		Numeric keypad *	✓
Total storage capacity *	2 TB	Keyboard backlit	✓
Storage media *	SSD	Keyboard backlit colour	RGB
Total SSDs capacity	2 TB	<b>Software</b>	
Number of SSDs installed	1	Operating system installed *	Windows 11 Home Advanced
SSD capacity	2 TB	<b>Battery</b>	
SSD interface	PCI Express 4.0	Battery technology	Lithium Polymer (LiPo)
NVMe	✓	Number of battery cells	4
Optical drive type *	✗	Battery capacity *	99.99 Wh
Card reader integrated	✓	<b>Power</b>	
Compatible memory cards	SD	AC adapter power	330 W
<b>Graphics</b>		<b>Weight &amp; dimensions</b>	
Discrete GPU manufacturer	NVIDIA	Width	380 mm
Discrete graphics card model *	NVIDIA GeForce RTX 4080	Depth	298 mm
Discrete graphics card memory	12 GB	Height	23 mm
Discrete graphics memory type	GDDR6	Weight *	3.1 kg
On-board graphics card *	✓	<b>Packaging data</b>	
On-board GPU manufacturer	Intel	Package width	461 mm
Discrete graphics card *	✓	Package depth	119 mm
		Package height	376 mm
		<b>Logistics data</b>	
		Commodity Classification	
		Automated Tracking System (CCATS)	8471300000



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