



**MSI Gaming RAIDER GE68HX 13VG-093UK notebook i9-13980HX
40.6 cm (16") UHD+ Intel® Core™ i9 32 GB DDR5-SDRAM 1 TB SSD
NVIDIA GeForce RTX 4070 Wi-Fi 6E (802.11ax) Windows 11 Home
Advanced Black**

Brand : MSI

Product family: Gaming

Product code: RAIDER GE68HX
13VG-093UK



Product name : RAIDER
GE68HX 13VG-093UK



- Windows 11 Home Advanced
- Intel Core i9-13980HX (36MB Cache)
- 40.6 cm (16") UHD+ 3840 x 2400 UWVA, NVIDIA GeForce RTX 4070 (8GB GDDR6)
- 32GB (5600MHz) DDR5-SDRAM (2 x 16) & 1000GB SSD
Intel Core i9-13980HX (36MB Cache), 32GB DDR5-SDRAM, 1000GB SSD, 40.6 cm (16") UHD+ 3840 x 2400 UWVA, Intel UHD Graphics, NVIDIA GeForce RTX 4070 (8GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home Advanced
MSI Gaming RAIDER GE68HX 13VG-093UK. Product type: Notebook, Form factor: Clamshell. Processor family: Intel® Core™ i9, Processor model: i9-13980HX. Display diagonal: 40.6 cm (16"), HD type: UHD+, Display resolution: 3840 x 2400 pixels. Internal memory: 32 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics, Discrete graphics card model: NVIDIA GeForce RTX 4070. 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 *	Notebook	On-board graphics card model *	Intel® UHD Graphics
Product colour *	Black	Discrete graphics card memory	8 GB
Form factor *	Clamshell	Discrete graphics memory type	GDDR6
Display		Audio	
Display diagonal *	40.6 cm (16")	Number of built-in speakers	4
Display resolution *	3840 x 2400 pixels	Speaker power	2 W
Touchscreen *	✗	Camera	
HD type	UHD+	Front camera	✓
Panel type	UWVA	Front camera HD type	Full HD
Native aspect ratio	16:10	Privacy type	Privacy shutter
RGB colour space	DCI-P3	Network	
Colour gamut	100%	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Maximum refresh rate	120 Hz	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Processor		Mobile network connection *	✗
Processor manufacturer *	Intel	WLAN controller model	Killer Wi-Fi 6E 1675i
Processor generation	13th gen Intel® Core™ i9	Ethernet LAN	✓
Processor model *	i9-13980HX	Bluetooth	✓
Processor family *	Intel® Core™ i9	Bluetooth version	5.3
Processor boost frequency	5.6 GHz	Ports & interfaces	
Efficient-core Max Turbo Frequency	4 GHz	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Performance-core Max Turbo Frequency	5.6 GHz	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2
Processor cores	24	Ethernet LAN (RJ-45) ports	1
Processor cache	36 MB	HDMI ports quantity *	1
Processor cache type	Smart Cache	Thunderbolt 4 ports quantity	1
Motherboard chipset	Intel HM770	Intel® Thunderbolt 4	✓
Processor base power	55 W		

Processor		Ports & interfaces	
Maximum turbo power	157 W	Combo headphone/mic port	✓
Performance cores	8	Keyboard	
Efficient cores	16	Pointing device	Touchpad
Memory		Numeric keypad *	✓
Internal memory *	32 GB	Keyboard backlit	✓
Internal memory type	DDR5-SDRAM	Keyboard backlit colour	RGB
Memory clock speed	5600 MHz	Software	
Memory layout (slots x size)	2 x 16 GB	Operating system installed *	Windows 11 Home Advanced
Maximum internal memory *	64 GB	Battery	
Storage		Battery technology	Lithium Polymer (LiPo)
Total storage capacity *	1 TB	Number of battery cells	4
Storage media *	SSD	Battery capacity *	99.99 Wh
Total SSDs capacity	1 TB	Power	
Number of SSDs installed	1	AC adapter power	280 W
SSD capacity	1 TB	Weight & dimensions	
SSD interface	PCI Express 4.0	Width	357 mm
NVMe	✓	Depth	284 mm
Optical drive type *	✗	Height	27.9 mm
Card reader integrated	✓	Weight *	2.7 kg
Compatible memory cards	SD	Packaging data	
Graphics		Package width	563 mm
Discrete GPU manufacturer	NVIDIA	Package depth	80 mm
Discrete graphics card model *	NVIDIA GeForce RTX 4070	Package height	355 mm
On-board graphics card *	✓	Technical details	
Discrete graphics card *	✓	Commodity Classification Automated Tracking System (CCATS)	8471300000



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