



MSI Gaming RAIDER GE78HX 13VG-096UK laptop 43.2 cm (17") Quad HD Intel® Core™ i9 i9-13980HX 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4070 Wi-Fi 6E (802.11ax) Windows 11 Home Black



Brand : MSI

Product family: Gaming

Product code: RAIDER GE78HX
13VG-096UK

Product name : RAIDER
GE78HX 13VG-096UK



- Windows 11 Home
- Intel Core i9-13980HX (36MB Cache)
- 43.2 cm (17") Quad HD 2560 x 1440, NVIDIA GeForce RTX 4070 (8GB GDDR6)
- 16GB (5600MHz) DDR5-SDRAM (1 x 16) & 1000GB SSD
Intel Core i9-13980HX (36MB Cache), 16GB DDR5-SDRAM, 1000GB SSD, 43.2 cm (17") Quad HD 2560 x 1440, Intel UHD Graphics, NVIDIA GeForce RTX 4070 (8GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home
MSI Gaming RAIDER GE78HX 13VG-096UK. 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 1440 pixels. Internal memory: 16 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. 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	Discrete graphics card memory	8 GB
Form factor *	Clamshell	Discrete graphics memory type	GDDR6
Display		Audio	
Display diagonal *	43.2 cm (17")	Number of built-in speakers	2
Display resolution *	2560 x 1440 pixels	Speaker power	2 W
Touchscreen *	✗	Camera	
HD type	Quad HD	Front camera	✓
Maximum refresh rate	240 Hz	Front camera HD type	Full HD
Processor		Video capturing speed	30 fps
Processor manufacturer *	Intel	Infrared (IR) camera	✓
Processor generation	13th gen Intel® Core™ i9	Network	
Processor family *	Intel® Core™ i9	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Processor model *	i9-13980HX	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Processor boost frequency	5.6 GHz	Mobile network connection *	✗
Efficient-core Max Turbo Frequency	4 GHz	Ethernet LAN	✓
Performance-core Max Turbo Frequency	5.6 GHz	Bluetooth	✓
Processor cores	24	Bluetooth version	5.3
Performance cores	8	Ports & interfaces	
Efficient cores	16	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Processor cache	36 MB	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2
Processor cache type	Smart Cache	Ethernet LAN (RJ-45) ports	1
Motherboard chipset	Intel HM770	HDMI ports quantity *	1
Processor base power	55 W	Thunderbolt 4 ports quantity	1
Maximum turbo power	157 W	Intel® Thunderbolt 4	✓
Memory		Combo headphone/mic port	✓
Internal memory *	16 GB	USB Type-C DisplayPort Alternate Mode	✓
Internal memory type	DDR5-SDRAM		
Memory clock speed	5600 MHz		
Memory layout (slots x size)	1 x 16 GB		

Memory		Keyboard	
Maximum internal memory *	64 GB	Pointing device	Touchpad
Storage		Numeric keypad *	✓
Total storage capacity *	1 TB	Keyboard backlit	✓
Storage media *	SSD	Keyboard backlit colour	RGB
Total SSDs capacity	1 TB	Software	
Number of SSDs installed	1	Operating system installed *	Windows 11 Home
SSD capacity	1 TB	Battery	
SSD interface	PCI Express 4.0	Number of battery cells	4
NVMe	✓	Battery capacity *	99 Wh
Optical drive type *	✗	Power	
Card reader integrated	✓	AC adapter power	280 W
Compatible memory cards	SD	Weight & dimensions	
Graphics		Width	380 mm
Discrete GPU manufacturer	NVIDIA	Depth	298 mm
Discrete graphics card model *	NVIDIA GeForce RTX 4070	Height	23 mm
On-board graphics card *	✓	Weight *	3.1 kg
On-board GPU manufacturer	Intel		
Discrete graphics card *	✓		



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