



MSI Gaming Raider GE78 HX 14VIG-645UK Intel® Core™ i9 i9-14900HX Laptop 43.2 cm (17") Quad HD+ 64 GB DDR5-SDRAM 2 TB SSD NVIDIA GeForce RTX 4090 Wi-Fi 7 (802.11be) Windows 11 Pro Black



Brand : MSI

Product family: Gaming

Product code: RAIDER GE78 HX 14VIG-645UK

Product name : Raider GE78 HX 14VIG-645UK

- Windows 11 Pro
- Intel Core i9-14900HX (36MB Cache)
- 43.2 cm (17") Quad HD+ 2560 x 1600, NVIDIA GeForce RTX 4090 (16GB GDDR6)
- 64GB (5600MHz) DDR5-SDRAM (2 x 32) & 2000GB SSD
- Intel Core i9-14900HX (36MB Cache), 64GB DDR5-SDRAM, 2000GB SSD, 43.2 cm (17") Quad HD+ 2560 x 1600, Intel UHD Graphics, NVIDIA GeForce RTX 4090 (16GB GDDR6), LAN, WLAN, Webcam, Windows 11 Pro

MSI Gaming Raider GE78 HX 14VIG-645UK. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i9, Processor model: i9-14900HX. Display diagonal: 43.2 cm (17"), HD type: Quad HD+, Display resolution: 2560 x 1600 pixels. Internal memory: 64 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 4090. Operating system installed: Windows 11 Pro. Product colour: Black

Design		Graphics	
Colour name	Core Black	On-board graphics card *	✓
Product type *	Laptop	On-board GPU manufacturer	Intel
Product colour *	Black	Discrete graphics card *	✓
Form factor *	Clamshell	On-board graphics card family	Intel® UHD Graphics
Original brand name	MSI	On-board graphics card model *	Intel® UHD Graphics
Display		Audio	
Display diagonal *	43.2 cm (17")	Number of built-in speakers	2
Display resolution *	2560 x 1600 pixels	Speaker power	2 W
Touchscreen *	✗	Camera	
HD type	Quad HD+	Front camera	✓
Native aspect ratio	16:10	Front camera resolution	1920 x 1080 pixels
Anti-glare screen	✓	Front camera HD type	Full HD
RGB colour space	DCI-P3	Video capturing speed	30 fps
Colour gamut	100%	Infrared (IR) camera	✓
Maximum refresh rate	240 Hz	Privacy camera	✓
Processor		Privacy type	Privacy shutter
Processor manufacturer *	Intel	Network	
Processor family *	Intel® Core™ i9	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Processor generation	Intel® Core™ i9 (14th gen)	Wi-Fi standards	Wi-Fi 7 (802.11be)
Processor model *	i9-14900HX	Mobile network connection *	✗
Processor cores	24	WLAN controller model	Killer Wi-Fi 7 BE1750
Processor boost frequency	5.8 GHz	WLAN controller manufacturer	Killer
Performance cores	8	Ethernet LAN	✓
Efficient cores	16	Ethernet LAN data rates	10,100,1000,2500 Mbit/s
Performance-core Max Turbo Frequency	5.8 GHz	Bluetooth	✓
Efficient-core Max Turbo Frequency	4.1 GHz	Bluetooth version	5.4
Performance-core base frequency	2.2 GHz	Ports & interfaces	
Efficient-core base frequency	1.6 GHz	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Processor cache	36 MB	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
Processor cache type	Smart Cache		
Processor base power	55 W		

Processor		Ports & interfaces	
Maximum turbo power	157 W	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2
Memory		Ethernet LAN (RJ-45) ports	1
Internal memory *	64 GB	HDMI ports quantity *	1
Internal memory type	DDR5-SDRAM	HDMI version	2.1
Memory clock speed	5600 MHz	Thunderbolt 4 ports quantity	1
Memory layout (slots x size)	2 x 32 GB	Intel® Thunderbolt 4	✓
Memory slots	2x SO-DIMM	Combo headphone/mic port	✓
Maximum internal memory *	96 GB	USB Type-C DisplayPort Alternate Mode	✓
Storage		Performance	
Total storage capacity *	2 TB	Motherboard chipset	Intel HM770
Storage media *	SSD	Keyboard	
Total SSDs capacity	2 TB	Pointing device	Touchpad
Number of SSDs installed	1	Numeric keypad *	✓
SSD capacity	2 TB	Keyboard backlit	✓
SSD interface	PCI Express 4.0	Keyboard backlit colour	RGB
NVMe	✓	Software	
SSD form factor	M.2	Operating system installed *	Windows 11 Pro
Optical drive type *	✗	Battery	
Card reader integrated	✓	Number of battery cells	4
Compatible memory cards	SD	Battery capacity *	99.9 Wh
Graphics		Power	
Discrete GPU manufacturer	NVIDIA	AC adapter power	330 W
Discrete graphics card model *	NVIDIA GeForce RTX 4090	Weight & dimensions	
Discrete graphics card memory	16 GB	Width	380 mm
Discrete graphics memory type	GDDR6	Depth	298 mm
		Height (front)	2.29 cm
		Height (rear)	2.88 cm
		Weight *	3.1 kg



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