



**MSI Gaming Raider GE78 HX 14VHG-647U Laptop 43.2 cm (17")
Quad HD+ Intel® Core™ i9 i9-14900HX 32 GB DDR5-SDRAM 4 TB
SSD NVIDIA GeForce RTX 4080 Wi-Fi 7 (802.11be) Windows 11
Home Black**

Brand : MSI

Product family: Gaming

Product code: RAIDER GE78
HX 14VHG-647UK



Product name : Raider GE78
HX 14VHG-647U

- Windows 11 Home
- Intel Core i9-14900HX (36MB Cache)
- 43.2 cm (17") Quad HD+ 2560 x 1600, NVIDIA GeForce RTX 4080 (12GB GDDR6)
- 32GB (5600MHz) DDR5-SDRAM (2 x 16) & 4000GB SSD
- Intel Core i9-14900HX (36MB Cache), 32GB DDR5-SDRAM, 4000GB 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

MSI Gaming Raider GE78 HX 14VHG-647U. 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: 32 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 4 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. Product colour: Black



Design		Graphics	
Product type *	Laptop	On-board graphics card *	✓
Product colour *	Black	On-board GPU manufacturer	Intel
Form factor *	Clamshell	Discrete graphics card *	✓
Original brand name	MSI	On-board graphics card family	Intel® UHD Graphics
Display		On-board graphics card model *	Intel® UHD Graphics
Display diagonal *	43.2 cm (17")	Discrete graphics card memory	12 GB
Display resolution *	2560 x 1600 pixels	Discrete graphics memory type	GDDR6
Touchscreen *	✗	Audio	
HD type	Quad HD+	Number of built-in speakers	2
Native aspect ratio	16:10	Speaker power	2 W
Anti-glare screen	✓	Camera	
Display brightness	400 cd/m ²	Front camera	✓
RGB colour space	DCI-P3	Front camera resolution	1920 x 1080 pixels
Colour gamut	100%	Front camera HD type	Full HD
Maximum refresh rate	240 Hz	Video capturing speed	30 fps
Processor		Infrared (IR) camera	✓
Processor manufacturer *	Intel	Network	
Processor generation	Intel Core i9-14xxx	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Processor family *	Intel® Core™ i9	Wi-Fi standards	Wi-Fi 7 (802.11be)
Processor model *	i9-14900HX	Mobile network connection *	✗
Processor boost frequency	5.8 GHz	Ethernet LAN	✓
Efficient-core boost frequency	1.6 GHz	Ethernet LAN data rates	10,100,1000 Mbit/s
Performance-core base frequency	2.2 GHz	Bluetooth	✓
Efficient-core Max Turbo Frequency	4.1 GHz	Bluetooth version	5.4
Performance-core Max Turbo Frequency	5.8 GHz	Ports & interfaces	
Processor cores	24	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Performance cores	8	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
Efficient cores	16	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2
Processor cache	36 MB	Ethernet LAN (RJ-45) ports	1
Processor cache type	Smart Cache		
Motherboard chipset	Intel HM770		

Processor		Ports & interfaces	
Processor base power	55 W	HDMI ports quantity *	1
Maximum turbo power	157 W	HDMI version	2.1
Memory		Thunderbolt 4 ports quantity	1
Internal memory *	32 GB	Intel® Thunderbolt 4	✓
Internal memory type	DDR5-SDRAM	Combo headphone/mic port	✓
Memory clock speed	5600 MHz	Keyboard	
Memory layout (slots x size)	2 x 16 GB	Pointing device	Touchpad
Memory slots	2x SO-DIMM	Numeric keypad *	✓
Storage		Keyboard backlit	✓
Total storage capacity *	4 TB	Keyboard backlit colour	RGB
Storage media *	SSD	Software	
Total SSDs capacity	4 TB	Operating system installed *	Windows 11 Home
Number of SSDs installed	2	Battery	
SSD capacity	2 TB	Number of battery cells	4
SSD interface	PCI Express 4.0	Battery capacity *	99.9 Wh
NVMe	✓	Power	
Optical drive type *	✗	AC adapter power	330 W
Card reader integrated	✓	Weight & dimensions	
Compatible memory cards	SD	Width	380 mm
Graphics		Depth	298 mm
Discrete GPU manufacturer	NVIDIA	Height	23 mm
Discrete graphics card model *	NVIDIA GeForce RTX 4080	Weight *	3.1 kg



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