



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

Brand : MSI

Product family: Gaming

Product code: RAIDER GE78 HX 14VHG-647UK

Product name : Raider GE78 HX 14VHG-647U



- Windows 11 Pro

- 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 Pro

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 Pro. Product colour: Black



Design		Graphics	
Product type *	Laptop	On-board graphics card family	Intel® UHD Graphics
Product colour *	Black	On-board graphics card model *	Intel® UHD Graphics
Form factor *	Clamshell	<b>Audio</b>	
Original brand name	MSI	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 resolution	1920 x 1080 pixels
HD type	Quad HD+	Front camera HD type	Full HD
Native aspect ratio	16:10	Video capturing speed	30 fps
Anti-glare screen	✓	Infrared (IR) camera	✓
RGB colour space	DCI-P3	<b>Network</b>	
Colour gamut	100%	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Maximum refresh rate	240 Hz	Wi-Fi standards	Wi-Fi 7 (802.11be)
<b>Processor</b>		Mobile network connection *	✗
Processor manufacturer *	Intel	WLAN controller model	Killer Wi-Fi 7 BE1750
Processor family *	Intel® Core™ i9	WLAN controller manufacturer	Killer
Processor generation	Intel® Core™ i9 (14th gen)	Ethernet LAN	✓
Processor model *	i9-14900HX	Ethernet LAN data rates	10,100,1000 Mbit/s
Processor cores	24	Bluetooth	✓
Processor threads	32	Bluetooth version	5.4
Processor boost frequency	5.8 GHz	<b>Ports &amp; interfaces</b>	
Performance cores	8	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Efficient cores	16	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
Performance-core Max Turbo Frequency	5.8 GHz	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2
Efficient-core Max Turbo Frequency	4.1 GHz	Ethernet LAN (RJ-45) ports	1
Performance-core base frequency	2.2 GHz	HDMI ports quantity *	1
Efficient-core base frequency	1.6 GHz	HDMI version	2.1
Efficient-core boost frequency	1.6 GHz	Thunderbolt 4 ports quantity	1
Processor cache	36 MB		
Processor cache type	Smart Cache		

<b>Processor</b>		<b>Ports &amp; interfaces</b>	
Processor base power	55 W	Intel® Thunderbolt 4	✓
Maximum turbo power	157 W	Combo headphone/mic port	✓
<b>Memory</b>		<b>Performance</b>	
Internal memory *	32 GB	Motherboard chipset	Intel HM770
Internal memory type	DDR5-SDRAM	<b>Keyboard</b>	
Memory clock speed	5600 MHz	Pointing device	Touchpad
Memory layout (slots x size)	2 x 16 GB	Numeric keypad *	✓
Memory slots	2x SO-DIMM	Keyboard backlit	✓
<b>Storage</b>		Keyboard backlit colour	RGB
Total storage capacity *	4 TB	<b>Software</b>	
Storage media *	SSD	Operating system installed *	Windows 11 Pro
Total SSDs capacity	4 TB	<b>Battery</b>	
Number of SSDs installed	2	Battery technology	Lithium Polymer (LiPo)
SSD capacity	2 TB	Number of battery cells	4
SSD interface	PCI Express 4.0	Battery capacity *	99.99 Wh
NVMe	✓	<b>Power</b>	
Optical drive type *	✗	AC adapter power	330 W
Card reader integrated	✓	<b>Weight &amp; dimensions</b>	
Compatible memory cards	SD	Width	380 mm
<b>Graphics</b>		Depth	298 mm
Discrete GPU manufacturer	NVIDIA	Height (front)	2.29 cm
Discrete graphics card model *	NVIDIA GeForce RTX 4080	Height (rear)	2.88 cm
Discrete graphics card memory	12 GB	Weight *	3.1 kg
Discrete graphics memory type	GDDR6	<b>Packaging data</b>	
On-board graphics card *	✓	Package width	461 mm
On-board GPU manufacturer	Intel	Package depth	119 mm
Discrete graphics card *	✓	Package height	376 mm
		<b>Logistics data</b>	
		Commodity Classification	
		Automated Tracking System (CCATS)	8471300000
		<b>Other features</b>	
		Warranty period	2 year(s)



4711377165778

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.

Publication date: 29-OCT-2024. Prints or copies of Information are only valid on the printed Publication date