



## MSI Gaming Raider GE78 HX 14VGG-209FR Intel® Core™ i9 i9-14900HX Laptop 43,2 cm (17") Quad HD+ 32 GB DDR5-SDRAM 2 TB SSD NVIDIA GeForce RTX 4070 Wi-Fi 7 (802.11be) Windows 11 Pro Black

**Brand :** MSI

**Product family:** Gaming

**Article code:** RAIDER GE78 HX 14VGG-209FR

**Product name :** Raider GE78 HX 14VGG-209FR

MSI Gaming Raider GE78 HX 14VGG-209FR. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i9, Processor model: i9-14900HX, Processor frequency: 2,2 GHz. 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: 2 TB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics. Operating system installed: Windows 11 Pro. Product color: Black



Design		Audio	
Product type *	Laptop	Number of built-in speakers	6
Product colour *	Black	Speaker power	2 W
Form factor *	Clamshell	Camera	
Market positioning	Gaming	Front camera	✓
Original brand name	MSI	Front camera resolution	1920 x 1080 pixels
Display		Front camera HD type	Full HD
Display diagonal *	43.2 cm (17")	Video capturing speed	30 fps
Display resolution *	2560 x 1600 pixels	Infrared (IR) camera	✓
Touchscreen *	✗	Network	
HD type	Quad HD+	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Native aspect ratio	16:10	Wi-Fi standards	Wi-Fi 7 (802.11be)
Anti-glare screen	✓	Mobile network connection *	✗
RGB colour space	DCI-P3	Ethernet LAN	✓
Colour gamut	100%	Ethernet LAN data rates	10,100,1000 Mbit/s
Maximum refresh rate	240 Hz	Bluetooth	✓
Processor		Bluetooth version	5.4
Processor manufacturer *	Intel	Ports & interfaces	
Processor family *	Intel® Core™ i9	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Processor generation	Intel® Core™ i9 (14th gen)	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
Processor model *	i9-14900HX	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2
Processor frequency *	2.2 GHz	Ethernet LAN (RJ-45) ports	1
Memory		HDMI ports quantity *	1
Internal memory *	32 GB	HDMI version	2.1
Internal memory type	DDR5-SDRAM	Thunderbolt 4 ports quantity	1
Memory clock speed	5600 MHz		
Memory form factor	SO-DIMM		
Memory layout (slots x size)	2 x 16 GB		

Memory		Ports & interfaces	
Memory slots	2x SO-DIMM	Intel® Thunderbolt 4	✓
Maximum internal memory *	64 GB	Combo headphone/mic port	✓
Storage		Performance	
Total storage capacity *	2 TB	Repairability index	8.1
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	
Optical drive type *	✗	Operating system installed *	Windows 11 Pro
Card reader integrated	✓	Battery	
Compatible memory cards	SD	Number of battery cells	4
Graphics		Battery capacity *	99.9 Wh
Discrete GPU manufacturer	NVIDIA	Power	
Discrete graphics card model *	NVIDIA GeForce RTX 4070	AC adapter power	280 W
Discrete graphics card memory	8 GB	Weight & dimensions	
Discrete graphics memory type	GDDR6	Width	380 mm
On-board graphics card *	✓	Depth	298 mm
Discrete graphics card *	✓	Height (front)	2.29 cm
On-board graphics card model *	Intel® UHD Graphics	Height (rear)	2.88 cm
		Weight *	3.1 kg



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