MSI Gaming Raider GE68 HX 14VHG-291UK Intel® Core™ i9 i9-14900HX Laptop 40.6 cm (16") Quad HD+ 32 GB DDR5-SDRAM 2 TB SSD NVIDIA GeForce RTX 4080 Wi-Fi 7 (802.11be) Windows 11 Home Black

Brand : MSI

Product family: Gaming

Product code: RAIDER GE68 HX 14VHG-291UK

Product name : Raider GE68 HX 14VHG-291UK

- Windows 11 Home
- Intel Core i9-14900HX (36MB Cache)
- 40.6 cm (16") Quad HD+ 2560 x 1600 UWVA, NVIDIA GeForce RTX 4080 (12GB GDDR6)
- 32GB (5600MHz) DDR5-SDRAM (2 x 16) & 2000GB SSD

Intel Core i9-14900HX (36MB Cache), 32GB DDR5-SDRAM, 2000GB SSD, 40.6 cm (16") Quad HD+ 2560 x 1600 UWVA, Intel UHD Graphics, NVIDIA GeForce RTX 4080 (12GB GDDR6), WLAN, Webcam, Windows 11 Home

MSI Gaming Raider GE68 HX 14VHG-291UK. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i9, Processor model: i9-14900HX. Display diagonal: 40.6 cm (16"), 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, Discrete graphics card model: NVIDIA GeForce RTX 4080. Operating system installed: Windows 11 Home. Product colour: Black

Design	
Colour name	Core Black
Product type *	Laptop
Product colour *	Black
Form factor *	Clamshell

Display	
Display diagonal *	40.6 cm (16")
Display resolution *	2560 x 1600 pixels
Touchscreen *	✗
HD type	Quad HD+
Panel type	UWVA
Native aspect ratio	16:10
Anti-glare screen	✓
Display brightness	1000 cd/m²
RGB colour space	DCI-P3
Colour gamut	100%
Maximum refresh rate	240 Hz

Processor	
Processor manufacturer *	Intel
Processor family *	Intel® Core™ i9
Processor generation	Intel® Core™ i9 (14th gen)
Processor model *	i9-14900HX
Processor cores	24
Processor boost frequency	5.8 GHz
Performance cores	8
Efficient cores	16
Performance-core Max Turbo Frequency	5.8 GHz
Efficient-core Max Turbo Frequency	4.1 GHz
Performance-core base frequency	2.2 GHz
Efficient-core boost frequency	1.6 GHz
Processor cache	36 MB
Processor cache type	Smart Cache

Graphics	
Discrete graphics memory type	GDDR6
On-board graphics card *	✓
On-board GPU manufacturer	Intel
Discrete graphics card *	✓
On-board graphics card family	Intel® UHD Graphics
On-board graphics card model *	Intel® UHD Graphics

Audio	
Number of built-in speakers	4
Speaker power	2 W

Camera	
Front camera	✓
Front camera HD type	Full HD
Video capturing speed	30 fps
Infrared (IR) camera	✓

Network	
Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Wi-Fi standards	Wi-Fi 7 (802.11be)
Mobile network connection *	✗
Bluetooth	✓
Bluetooth version	5.4

Ports & interfaces	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity *	1
HDMI version	2.1
Thunderbolt 4 ports quantity	1
Intel® Thunderbolt 4	✓

Processor	
Processor base power	55 W
Maximum turbo power	157 W

Memory	
Internal memory *	32 GB
Internal memory type	DDR5-SDRAM
Memory clock speed	5600 MHz
Memory layout (slots x size)	2 x 16 GB
Memory slots	2x SO-DIMM
Maximum internal memory *	64 GB

Storage	
Total storage capacity *	2 TB
Storage media *	SSD
Total SSDs capacity	2 TB
Number of SSDs installed	1
SSD capacity	2 TB
SSD interface	PCI Express 4.0
NVMe	✓
Optical drive type *	✗
Card reader integrated	✓
Compatible memory cards	SD

Graphics	
Discrete GPU manufacturer	NVIDIA
Discrete graphics card model *	NVIDIA GeForce RTX 4080
Discrete graphics card memory	12 GB

Ports & interfaces	
Combo headphone/mic port	✓

Performance	
Motherboard chipset	Intel HM770

Keyboard	
Pointing device	Touchpad
Numeric keypad *	✓
Keyboard backlit	✓
Keyboard backlit colour	RGB

Software	
Operating system installed *	Windows 11 Home

Battery	
Battery technology	Lithium Polymer (LiPo)
Number of battery cells	4
Battery capacity *	99.9 Wh

Power	
AC adapter power	280 W

Security	
Trusted Platform Module (TPM)	✓
Trusted Platform Module (TPM) version	2.0

Weight & dimensions	
Width	357 mm
Depth	284 mm
Height	27.9 mm
Weight *	2.7 kg

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