msi

MSI Vector 16 HX A14VGG-248UK Intel® Core™ i9 i9-14900HX Laptop 40.6 cm (16") Quad HD+ 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4070 Wi-Fi 7 (802.11be) Windows 11 Home Advanced Black

Brand : MSI

Product family: Vector

Product code: VECTOR 16 HX A14VGG-248UK

Product name : Vector 16 HX A14VGG-248UK

- Windows 11 Home Advanced
- Intel Core i9-14900HX (36MB Cache)
- 40.6 cm (16") Quad HD+ 2560 x 1600, NVIDIA GeForce RTX 4070 (8GB GDDR6)
- 32GB (5600MHz) DDR5-SDRAM (2 x 8) & 1000GB SSD

Intel Core i9-14900HX (36MB Cache), 32GB DDR5-SDRAM, 1000GB SSD, 40.6 cm (16") Quad HD+ 2560 x 1600, Intel UHD Graphics, NVIDIA GeForce RTX 4070 (8GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home Advanced

MSI Vector 16 HX A14VGG-248UK. 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: 1 TB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics, Discrete graphics card model: NVIDIA GeForce RTX 4070. Operating system installed: Windows 11 Home Advanced. Product colour: Black

Design

Colour name	Cosmos Gray
Product type *	Laptop
Product colour *	Black
Form factor *	Clamshell
Market positioning	Gaming
Original brand name	MSI

Display

Display diagonal *	40.6 cm (16")
Display resolution *	2560 x 1600 pixels
Touchscreen *	✘
HD type	Quad HD+
Native aspect ratio	16:10
Anti-glare screen	✔
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 threads	32
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 base frequency	1.6 GHz
Processor cache	36 MB
Processor cache type	Smart Cache

Graphics

On-board graphics card family	Intel® UHD Graphics
On-board graphics card model *	Intel® UHD Graphics

Audio

Audio system	Nahimic 3
Number of built-in speakers	2
Speakers manufacturer	Nahimic
Speaker power	2 W

Camera

Front camera	✔
Front camera resolution	1280 x 720 pixels
Front camera HD type	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 *	✘
Antenna type	2x2
WLAN controller model	Killer Wi-Fi 7 BE1750
WLAN controller manufacturer	Killer
Ethernet LAN	✔
Ethernet LAN data rates	2500 Mbit/s
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 1 (3.1 Gen 1) Type-C 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	1

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 form factor	SO-DIMM
Memory layout (slots x size)	2 x 8 GB
Memory slots	2x SO-DIMM
Maximum internal memory *	64 GB

Storage

Total storage capacity *	1 TB
Storage media *	SSD
Total SSDs capacity	1 TB
Number of SSDs installed	1
SSD capacity	1 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 4070
Discrete graphics card memory	8 GB
Discrete graphics memory type	GDDR6
On-board graphics card *	✓
On-board GPU manufacturer	Intel
Discrete graphics card *	✓

Ports & interfaces

Ethernet LAN (RJ-45) ports	1
HDMI ports quantity *	1
HDMI version	2.1
Thunderbolt 4 ports quantity	1
Intel® Thunderbolt 4	✓
Combo headphone/mic port	✓
USB Type-C DisplayPort Alternate Mode	✓

Performance

Motherboard chipset	Intel HM770

Keyboard

Pointing device	Touchpad
Numeric keypad *	✓
Keyboard backlit	✓
Keyboard backlit colour	RGB
Keyboard backlit zone	Per-key RGB

Software

Operating system installed *	Windows 11 Home Advanced

Battery

Battery technology	Lithium Polymer (LiPo)
Number of battery cells	4
Battery capacity *	90 Wh

Power

AC adapter power	330 W

Weight & dimensions

Width	357 mm
Depth	284 mm
Height (front)	2.22 cm
Height (rear)	2.85 cm
Weight *	2.7 kg

Packaging data

Package width	563 mm
Package depth	83 mm
Package height	351 mm

Other features

Warranty period	2 year(s)

4711377157339