



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		Graphics	
Colour name	Cosmos Gray	On-board graphics card family	Intel® UHD Graphics
Product type *	Laptop	On-board graphics card model *	Intel® UHD Graphics
Product colour *	Black	Audio	
Form factor *	Clamshell	Audio system	Nahimic 3
Market positioning	Gaming	Number of built-in speakers	2
Original brand name	MSI	Speakers manufacturer	Nahimic
Display		Speaker power	2 W
Display diagonal *	40.6 cm (16")	Camera	
Display resolution *	2560 x 1600 pixels	Front camera	✓
Touchscreen *	✗	Front camera resolution	1280 x 720 pixels
HD type	Quad HD+	Front camera HD type	HD
Native aspect ratio	16:10	Video capturing speed	30 fps
Anti-glare screen	✓	Infrared (IR) camera	✓
RGB colour space	DCI-P3	Network	
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)
Processor		Mobile network connection *	✗
Processor manufacturer *	Intel	Antenna type	2x2
Processor family *	Intel® Core™ i9	WLAN controller model	Killer Wi-Fi 7 BE1750
Processor generation	Intel® Core™ i9 (14th gen)	WLAN controller manufacturer	Killer
Processor model *	i9-14900HX	Ethernet LAN	✓
Processor cores	24	Ethernet LAN data rates	2500 Mbit/s
Processor threads	32	Bluetooth	✓
Processor boost frequency	5.8 GHz	Bluetooth version	5.4
Performance cores	8	Ports & interfaces	
Efficient cores	16	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Performance-core Max Turbo Frequency	5.8 GHz	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Efficient-core Max Turbo Frequency	4.1 GHz	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
Performance-core base frequency	2.2 GHz	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Efficient-core base frequency	1.6 GHz		
Processor cache	36 MB		
Processor cache type	Smart Cache		

Processor		Ports & interfaces	
Processor base power	55 W	Ethernet LAN (RJ-45) ports	1
Maximum turbo power	157 W	HDMI ports quantity *	1
Memory		HDMI version	2.1
Internal memory *	32 GB	Thunderbolt 4 ports quantity	1
Internal memory type	DDR5-SDRAM	Intel® Thunderbolt 4	✓
Memory clock speed	5600 MHz	Combo headphone/mic port	✓
Memory form factor	SO-DIMM	USB Type-C DisplayPort Alternate Mode	✓
Memory layout (slots x size)	2 x 8 GB	Performance	
Memory slots	2x SO-DIMM	Motherboard chipset	Intel HM770
Maximum internal memory *	64 GB	Keyboard	
Storage		Pointing device	Touchpad
Total storage capacity *	1 TB	Numeric keypad *	✓
Storage media *	SSD	Keyboard backlit	✓
Total SSDs capacity	1 TB	Keyboard backlit colour	RGB
Number of SSDs installed	1	Keyboard backlit zone	Per-key RGB
SSD capacity	1 TB	Software	
SSD interface	PCI Express 4.0	Operating system installed *	Windows 11 Home Advanced
NVMe	✓	Battery	
Optical drive type *	✗	Battery technology	Lithium Polymer (LiPo)
Card reader integrated	✓	Number of battery cells	4
Compatible memory cards	SD	Battery capacity *	90 Wh
Graphics		Power	
Discrete GPU manufacturer	NVIDIA	AC adapter power	330 W
Discrete graphics card model *	NVIDIA GeForce RTX 4070	Weight & dimensions	
Discrete graphics card memory	8 GB	Width	357 mm
Discrete graphics memory type	GDDR6	Depth	284 mm
On-board graphics card *	✓	Height (front)	2.22 cm
On-board GPU manufacturer	Intel	Height (rear)	2.85 cm
Discrete graphics card *	✓	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)



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