



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 Black

Brand : MSI

Product family: Vector

Product code: VECTOR 16 HX A14VGG-248UK



Product name : Vector 16 HX A14VGG-248UK

- Windows 11 Home
 - 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
- 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. Product colour: Black



Design		Graphics	
Colour name	Cosmos Gray	On-board graphics card *	✓
Product type *	Laptop	On-board GPU manufacturer	Intel
Product colour *	Black	Discrete graphics card *	✓
Form factor *	Clamshell	On-board graphics card family	Intel® UHD Graphics
Market positioning	Gaming	On-board graphics card model *	Intel® UHD Graphics
Original brand name	MSI	Audio	
Display		Audio system	NAHIMIC 3
Display diagonal *	40.6 cm (16")	Number of built-in speakers	2
Display resolution *	2560 x 1600 pixels	Speakers manufacturer	Nahimic
Touchscreen *	✗	Speaker power	2 W
HD type	Quad HD+	Camera	
Native aspect ratio	16:10	Front camera	✓
Anti-glare screen	✓	Front camera resolution	1280 x 720 pixels
RGB colour space	DCI-P3	Front camera HD type	HD
Colour gamut	100%	Video capturing speed	30 fps
Maximum refresh rate	240 Hz	Infrared (IR) camera	✓
Processor		Network	
Processor manufacturer *	Intel	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Processor family *	Intel® Core™ i9	Wi-Fi standards	Wi-Fi 7 (802.11be)
Processor generation	Intel Core i9-14xxx	Mobile network connection *	✗
Processor model *	i9-14900HX	Antenna type	2x2
Processor cores	24	WLAN controller manufacturer	Intel
Processor threads	32	Ethernet LAN	✓
Processor boost frequency	5.8 GHz	Ethernet LAN data rates	2500 Mbit/s
Performance cores	8	Bluetooth	✓
Efficient cores	16	Bluetooth version	5.2
Performance-core Max Turbo Frequency	5.8 GHz	Ports & interfaces	
Efficient-core Max Turbo Frequency	4.1 GHz	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Performance-core base frequency	2.2 GHz	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Efficient-core base frequency	1.6 GHz		
Processor cache	36 MB		

Processor		Ports & interfaces	
Processor cache type	Smart Cache	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
Processor base power	55 W	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Maximum turbo power	157 W	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	Intel® Thunderbolt 4	✓
Memory form factor	SO-DIMM	Combo headphone/mic port	✓
Memory layout (slots x size)	2 x 8 GB	USB Type-C DisplayPort Alternate Mode	✓
Memory slots	2x SO-DIMM	Performance	
Maximum internal memory *	64 GB	Motherboard chipset	Intel HM770
Storage		Keyboard	
Total storage capacity *	1 TB	Pointing device	Touchpad
Storage media *	SSD	Numeric keypad *	✓
Total SSDs capacity	1 TB	Keyboard backlit	✓
Number of SSDs installed	1	Keyboard backlit colour	RGB
SSD capacity	1 TB	Keyboard backlit zone	Per-key RGB
SSD interface	PCI Express 4.0	Software	
NVMe	✓	Operating system installed *	Windows 11 Home
Optical drive type *	✗	Battery	
Card reader integrated	✓	Battery technology	Lithium Polymer (LiPo)
Compatible memory cards	SD	Number of battery cells	4
Graphics		Battery capacity *	90 Wh
Discrete GPU manufacturer	NVIDIA	Power	
Discrete graphics card model *	NVIDIA GeForce RTX 4070	AC adapter power	330 W
Discrete graphics card memory	8 GB	Weight & dimensions	
Discrete graphics memory type	GDDR6	Width	380 mm
		Depth	298 mm
		Height	23 mm
		Weight *	3 kg



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