



MSI Vector 16 HX AI A2XWIG-006UK Intel Core Ultra 9 275HX Laptop 40.6 cm (16") Quad HD+ 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5080 Wi-Fi 7 (802.11be) Windows 11 Home Advanced Grey

Brand : MSI

Product family: Vector

Product code: VECTOR 16 HX AI A2XWIG-006UK

Product name : Vector 16 HX AI A2XWIG-006UK

Intel Core Ultra 9 275HX (36MB Cache), 32GB DDR5-SDRAM, 1000GB SSD, 40.6 cm (16") Quad HD+ 2560 x 1600, Intel Graphics, NVIDIA GeForce RTX 5080 (16GB GDDR7), LAN, WLAN, Webcam, Windows 11 Home Advanced

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Designed for STEM professionals, the Vector 16 HX AI delivers cutting-edge performance and rock-solid stability. It acts as a high-tech brain, seamlessly processing complex data with speed and precision. From software development to data analysis and simulations, the Vector 16 HX AI provides the performance and reliability engineers need to succeed.



Design		Graphics	
Colour name	Cosmos Gray	Discrete graphics card memory	16 GB
Product type *	Laptop	Discrete graphics memory type	GDDR7
Product colour *	Grey	On-board graphics card *	✓
Form factor *	Clamshell	On-board GPU manufacturer	Intel
Original brand name	MSI	Discrete graphics card *	✓
Display		On-board graphics card family	Intel Graphics
Display diagonal *	40.6 cm (16")	On-board graphics card model *	Intel Graphics
Display resolution *	2560 x 1600 pixels	Audio	
Touchscreen *	✗	Number of built-in speakers	2
HD type	Quad HD+	Speakers manufacturer	Nahimic
Native aspect ratio	16:10	Speaker power	2 W
Anti-glare screen	✓	Camera	
RGB colour space	DCI-P3	Front camera	✓
Colour gamut	100%	Front camera resolution	1920 x 1080 pixels
Maximum refresh rate	240 Hz	Front camera HD type	Full HD
Processor		Video capturing speed	30 fps
Processor manufacturer *	Intel	Infrared (IR) camera	✓
Processor family *	Intel Core Ultra 9	Network	
Processor generation	Intel Core Ultra (Series 2)	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Processor model *	275HX	Wi-Fi standards	Wi-Fi 7 (802.11be)
Processor cores	24	Mobile network connection *	✗
Processor threads	24	WLAN controller model	Killer Wi-Fi BE1750x
Processor boost frequency	5.4 GHz	Ethernet LAN	✓
Performance cores	8	Ethernet LAN data rates	2500 Mbit/s
Efficient cores	16	Bluetooth	✓
Performance-core Max Turbo Frequency	5.4 GHz	Bluetooth version	5.4
Efficient-core Max Turbo Frequency	4.6 GHz		

Processor		Ports & interfaces	
Performance-core base frequency	2.7 GHz	Ethernet LAN (RJ-45) ports	1
Efficient-core base frequency	2.1 GHz	HDMI ports quantity *	1
Processor cache	36 MB	HDMI version	2.1
Processor base power	55 W	Thunderbolt 5 ports quantity	2
Maximum turbo power	160 W	Intel® Thunderbolt 5	✓
Neural processor unit (NPU)		Combo headphone/mic port	✓
Neural processor unit (NPU)	Intel AI Boost	Performance	
Sparsity support	✓	Motherboard chipset	Intel HM870
Windows Studio effects support	✓	Keyboard	
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Pointing device	Touchpad
Total processor performance up to	36 TOPs	Numeric keypad *	✓
NPU performance up to	13 TOPs	Keyboard backlit	✓
GPU performance up to	8 TOPs	Keyboard backlit colour	RGB
Memory		Keyboard backlit zone	24-zone RGB
Internal memory *	32 GB	Copilot key	✓
Internal memory type	DDR5-SDRAM	Software	
Memory clock speed	5600 MHz	Operating system installed *	Windows 11 Home Advanced
Memory layout (slots x size)	2 x 16 GB	Battery	
Memory slots	2x SO-DIMM	Battery technology	Lithium Polymer (LiPo)
Maximum internal memory *	96 GB	Number of battery cells	4
Storage		Battery capacity *	90 Wh
Total storage capacity *	1 TB	Power	
Storage media *	SSD	AC adapter power	330 W
Total SSDs capacity	1 TB	USB Power Delivery (USB PD)	✓
Number of SSDs installed	1	Security	
SSD capacity	1 TB	Cable lock slot	✓
SSD interface	PCI Express 4.0	Cable lock slot type	Kensington
NVMe	✓	Fingerprint reader	✓
SSD form factor	M.2	Sustainability	
Optical drive type *	✗	Sustainability certificates	EPEAT Silver
Card reader integrated	✓	Weight & dimensions	
Compatible memory cards	SD	Width	357 mm
Graphics		Depth	284 mm
Discrete GPU manufacturer	NVIDIA	Height	30 mm
Discrete graphics card model *	NVIDIA GeForce RTX 5080	Weight *	2.7 kg
		Packaging data	
		Package width	563 mm
		Package depth	83 mm
		Package height	355 mm
		Other features	
		Warranty period	2 year(s)



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Publication date: 21-FEB-2025. Prints or copies of Information are only valid on the printed Publication date