



MSI Vector 16 HX AI A2XWIG-058US Intel Core Ultra 9 275HX Laptop 40.6 cm (16") Quad HD+ 32 GB DDR5-SDRAM 2 TB SSD NVIDIA GeForce RTX 5080 Wi-Fi 6E (802.11ax) Windows 11 Pro Grey



Brand : MSI

Product family: Vector

Product code: VECTOR 16 HX AI A2XWIG-058US

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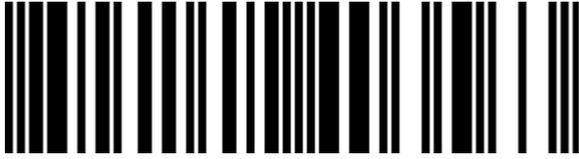
- Windows 11 Pro
- Intel Core Ultra 9 275HX (36MB Cache)
- 40.6 cm (16") Quad HD+ 2560 x 1600, NVIDIA GeForce RTX 5080 (16GB GDDR7)
- 32GB (5600MHz) DDR5-SDRAM (2 x 16) & 2000GB SSD
- Intel Core Ultra 9 275HX (36MB Cache), 32GB DDR5-SDRAM, 2000GB SSD, 40.6 cm (16") Quad HD+ 2560 x 1600, Intel Graphics, NVIDIA GeForce RTX 5080 (16GB GDDR7), LAN, WLAN, Webcam, Windows 11 Pro

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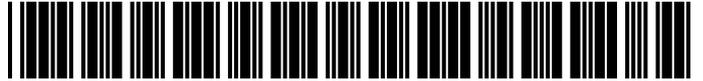
Designed for STEM professionals, the Vector 16 HX AI delivers cutting-edge performance and rock-solid stability. It acts as a high-tech brain, seamlessly processing complex data with speed and precision. From software development to data analysis and simulations, the Vector 16 HX AI provides the performance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

Design		Graphics	
Colour name	Cosmos Gray	Discrete graphics card model *	NVIDIA GeForce RTX 5080
Product type *	Laptop	Discrete graphics card memory	16 GB
Product colour *	Grey	Discrete graphics memory type	GDDR7
Form factor *	Clamshell	On-board graphics card *	✓
Housing material	Metal, Plastic	On-board GPU manufacturer	Intel
Market positioning	Performance	Discrete graphics card *	✓
Original brand name	MSI	On-board graphics card family	Intel® Graphics
		On-board graphics card model *	Intel® Graphics
Display		Audio	
Display diagonal *	40.6 cm (16")	Audio system	Nahimic 3
Display resolution *	2560 x 1600 pixels	Number of built-in speakers	2
Touchscreen *	✗	Speakers manufacturer	Nahimic
HD type	Quad HD+	Speaker power	2 W
Native aspect ratio	16:10	Camera	
Anti-glare screen	✓	Front camera	✓
RGB colour space	DCI-P3	Front camera resolution	1920 x 1080 pixels
Colour gamut	100%	Front camera HD type	Full HD
Maximum refresh rate	240 Hz	Video capturing speed	30 fps
		Infrared (IR) camera	✓
Processor		Network	
Processor manufacturer *	Intel	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Processor family *	Intel Core Ultra 9	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Processor generation	Intel Core Ultra (Series 2)	Mobile network connection *	✗
Processor model *	275HX	WLAN controller model	Intel Wi-Fi 6E AX211
Processor cores	24	Ethernet LAN	✓
Processor threads	24	Ethernet LAN data rates	2500 Mbit/s
Processor boost frequency	5.4 GHz	Bluetooth	✓
Performance cores	8	Bluetooth version	5.3
Efficient cores	16		
Performance-core Max Turbo Frequency	5.4 GHz		
Efficient-core Max Turbo Frequency	4.6 GHz		
Performance-core base frequency	2.7 GHz		

Processor		Ports & interfaces	
Efficient-core base frequency	2.1 GHz	Ethernet LAN (RJ-45) ports	1
Processor cache	36 MB	HDMI ports quantity *	1
Processor base power	55 W	HDMI version	2.1
Maximum turbo power	160 W	Thunderbolt 5 ports quantity	2
Neural processor unit (NPU)		Intel® Thunderbolt 5	✓
Neural processor unit (NPU)	Intel AI Boost	Combo headphone/mic port	✓
Sparsity support	✓	Performance	
Windows Studio effects support	✓	Motherboard chipset	HM870
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Keyboard	
Total processor performance up to	36 TOPs	Pointing device	Touchpad
NPU performance up to	13 TOPs	Numeric keypad *	✓
GPU performance up to	8 TOPs	Keyboard backlit	✓
Memory		Keyboard backlit colour	RGB
Internal memory *	32 GB	Keyboard backlit zone	24-zone RGB
Internal memory type	DDR5-SDRAM	Copilot key	✓
Memory clock speed	5600 MHz	Software	
Memory layout (slots x size)	2 x 16 GB	Operating system installed *	Windows 11 Pro
Memory slots	2x SO-DIMM	Bundled software	Killer Control Center, Nvidia App, Nahimic 3, MSI App Player, Mystic Light, Crosshair, Battery Master, MSI Center, Discrete Graphics Mode, MSI AI Engine, AI Noise Cancellation Pro, Intel Application Optimization
Maximum internal memory *	96 GB	Battery	
Storage		Number of battery cells	4
Total storage capacity *	2 TB	Battery capacity	5845 mAh
Storage media *	SSD	Battery capacity *	90 Wh
Total SSDs capacity	2 TB	Power	
Number of SSDs installed	1	AC adapter power	330 W
SSD capacity	2 TB	USB Power Delivery (USB PD)	✓
SSD interface	PCI Express 4.0	Security	
NVMe	✓	Cable lock slot	✓
SSD form factor	M.2	Cable lock slot type	Kensington
Optical drive type *	✗	Sustainability	
Card reader integrated	✓	Sustainability certificates	EPEAT Silver
Compatible memory cards	SD	Weight & dimensions	
Graphics		Width	357 mm
Discrete GPU manufacturer	NVIDIA	Depth	284 mm
		Height (front)	2.22 cm
		Height (rear)	2.85 cm
		Weight *	2.7 kg



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Catalog Object Cloud



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