



## MSI Vector 16 HX AI A2XWIG-034CA 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 6E (802.11ax) Windows 11 Home Grey



**Brand :** MSI

**Product family:** Vector

**Product code:** VECTOR 16 HX AI A2XWIG-034CA

**Product name :** Vector 16 HX AI A2XWIG-034CA

- Windows 11 Home
  - 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 & 1000GB SSD
- 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

[MSI Vector 16 HX AI A2XWIG-034CA 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 6E \(802.11ax\) Windows 11 Home Grey:](#)

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 memory type	GDDR7
Product type *	Laptop	On-board graphics card *	✓
Product colour *	Grey	On-board GPU manufacturer	Intel
Form factor *	Clamshell	Discrete graphics card *	✓
Housing material	Metal, Plastic	On-board graphics card family	Intel® Graphics
Market positioning	Performance	On-board graphics card model *	Intel® Graphics
Original brand name	MSI		
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		
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
		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	Antenna type	2x2
Processor cores	24	WLAN controller model	Intel Wi-Fi 6E AX211
Processor threads	24	WLAN controller manufacturer	Intel
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	5.3
Efficient-core Max Turbo Frequency	4.6 GHz		
Performance-core base frequency	2.7 GHz		

<b>Processor</b>		<b>Ports &amp; interfaces</b>	
Efficient-core base frequency	2.1 GHz	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Processor cache	36 MB	Ethernet LAN (RJ-45) ports	1
Processor base power	55 W	HDMI ports quantity *	1
Maximum turbo power	160 W	HDMI version	2.1
<b>Neural processor unit (NPU)</b>		Thunderbolt 5 ports quantity	2
Neural processor unit (NPU)	Intel AI Boost	Intel® Thunderbolt 5	✓
Sparsity support	✓	Combo headphone/mic port	✓
Windows Studio effects support	✓	USB Type-C DisplayPort Alternate Mode	✓
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	<b>Performance</b>	
Total processor performance up to	36 TOPs	Motherboard chipset	HM870
NPU performance up to	13 TOPs	<b>Keyboard</b>	
GPU performance up to	8 TOPs	Pointing device	Touchpad
<b>Memory</b>		Numeric keypad *	✓
Internal memory *	32 GB	Keyboard backlit	✓
Internal memory type	DDR5-SDRAM	Keyboard backlit colour	RGB
Memory clock speed	5600 MHz	Keyboard backlit zone	24-zone RGB
Memory slots	2x SO-DIMM	Keyboard number of keys	99
Maximum internal memory *	96 GB	Copilot key	✓
<b>Storage</b>		<b>Software</b>	
Total storage capacity *	1 TB	Operating system installed *	Windows 11 Home
Storage media *	SSD	<b>Battery</b>	
Total SSDs capacity	1 TB	Battery technology	Lithium-Ion (Li-Ion)
Number of SSDs installed	1	Number of battery cells	4
SSD capacity	1 TB	Battery capacity *	90 Wh
SSD interface	PCI Express 4.0	<b>Power</b>	
NVMe	✓	AC adapter power	330 W
SSD form factor	M.2	DC-in jack	✓
Optical drive type *	✗	USB Type-C charging port *	✓
Card reader integrated	✓	USB Power Delivery (USB PD)	✓
Compatible memory cards	SD	<b>Security</b>	
<b>Graphics</b>		Cable lock slot	✓
Discrete GPU manufacturer	NVIDIA	Cable lock slot type	Kensington
Discrete graphics card model *	NVIDIA GeForce RTX 5080	<b>Sustainability</b>	
Discrete graphics card memory	16 GB	Sustainability certificates	EPEAT Silver
		<b>Weight &amp; dimensions</b>	
		Width	357 mm
		Depth	284 mm
		Height (front)	2.22 cm
		Height (rear)	2.85 cm
		Weight *	2.7 kg
		<b>Packaging content</b>	
		AC adapter included *	✓



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### Catalog Object Cloud



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