



MSI Vector 16 HX AI A2XWHG-256PL Intel Core Ultra 7 255HX Laptop 40.6 cm (16") Quad HD+ 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5070 Ti Wi-Fi 7 (802.11be) Windows 11 Home Grey



Brand : MSI

Product family: Vector

Product code: VECTOR 16 HX AI A2XWHG-256PL

Product name : Vector 16 HX AI A2XWHG-256PL

- Windows 11 Home
- Intel Core Ultra 7 255HX (30MB Cache)
- 40.6 cm (16") Quad HD+ 2560 x 1600 IPS-Level, NVIDIA GeForce RTX 5070 Ti (12GB GDDR7)
- 16GB (5600MHz) DDR5-SDRAM (2 x 8) & 1000GB SSD
Intel Core Ultra 7 255HX (30MB Cache), 16GB DDR5-SDRAM, 1000GB SSD, 40.6 cm (16") Quad HD+ 2560 x 1600 IPS-Level, Intel Graphics, NVIDIA GeForce RTX 5070 Ti (12GB GDDR7), LAN, WLAN, Webcam, Windows 11 Home

MSI Vector 16 HX AI A2XWHG-256PL Intel Core Ultra 7 255HX Laptop 40.6 cm (16") Quad HD+ 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5070 Ti Wi-Fi 7 (802.11be) 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 GPU manufacturer	NVIDIA
Product type *	Laptop	Discrete graphics card model *	NVIDIA GeForce RTX 5070 Ti
Product colour *	Grey	Discrete graphics card memory	12 GB
Form factor *	Clamshell	Discrete graphics memory type	GDDR7
Market positioning	Gaming	On-board graphics card *	✓
Original brand name	MSI	On-board GPU manufacturer	Intel
Display		Discrete graphics card *	✓
Display diagonal *	40.6 cm (16")	On-board graphics card family	Intel® Graphics
Display resolution *	2560 x 1600 pixels	On-board graphics card model *	Intel® Graphics
Touchscreen *	✗	Audio	
HD type	Quad HD+	Audio system	Nahimic 3
Panel type	IPS-Level	Number of built-in speakers	2
Native aspect ratio	16:10	Speaker power	2 W
Anti-glare screen	✓	Camera	
Display brightness	500 cd/m ²	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
Processor		Infrared (IR) camera	✓
Processor manufacturer *	Intel	Network	
Processor family *	Intel Core Ultra 7	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Processor generation	Intel Core Ultra (Series 2)	Wi-Fi standards	Wi-Fi 7 (802.11be)
Processor model *	255HX	Mobile network connection *	✗
Processor cores	20	WLAN controller model	Killer Wi-Fi 7 BE1750
Processor threads	20	Ethernet LAN	✓
Processor boost frequency	5.2 GHz	Ethernet LAN data rates	2500 Mbit/s
Performance cores	8	Bluetooth	✓
Efficient cores	12	Bluetooth version	5.4
Performance-core Max Turbo Frequency	5.2 GHz		
Efficient-core Max Turbo Frequency	4.5 GHz		

Processor		Ports & interfaces	
Performance-core base frequency	2.4 GHz	Ethernet LAN (RJ-45) ports	1
Efficient-core base frequency	1.8 GHz	HDMI ports quantity *	1
Processor cache	30 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	HM870
Windows Studio effects support	✓	Repairability index	8
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Keyboard	
Total processor performance up to	33 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 *	16 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 8 GB	Operating system installed *	Windows 11 Home
Memory slots	2x SO-DIMM	Battery	
Maximum internal memory *	96 GB	Number of battery cells	4
Storage		Battery capacity	5845 mAh
Total storage capacity *	1 TB	Battery capacity *	90 Wh
Storage media *	SSD	Power	
Total SSDs capacity	1 TB	AC adapter power	330 W
Number of SSDs installed	1	USB Power Delivery (USB PD)	✓
SSD capacity	1 TB	Security	
SSD interface	PCI Express 4.0	Cable lock slot	✓
NVMe	✓	Cable lock slot type	Kensington
SSD form factor	M.2	Sustainability	
M.2 SSD size	2280 (22 x 80 mm)	Sustainability certificates	EPEAT Silver
Optical drive type *	✗	Weight & dimensions	
Card reader integrated	✓	Width	357 mm
Compatible memory cards	SD	Depth	284 mm
		Height (front)	2.22 cm
		Height (rear)	2.85 cm
		Weight *	2.7 kg
		Packaging content	
		AC adapter included *	✓
		Other features	
		Warranty period	2 year(s)



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