



MSI Vector 18 HX AI A2XWJG-657 Intel Core Ultra 9 275HX Laptop 45.7 cm (18") Quad HD+ 32 GB DDR5-SDRAM 2 TB SSD NVIDIA GeForce RTX 5090 Wi-Fi 7 (802.11be) Windows 11 Home Grey



Brand : MSI

Product family: Vector

Product code: VECTOR 18 HX
AI A2XWJG-657DE

Product name : Vector 18 HX
AI A2XWJG-657

- Windows 11 Home
- Intel Core Ultra 9 275HX (36MB Cache)
- 45.7 cm (18") Quad HD+ 2560 x 1600 IPS-Level, NVIDIA GeForce RTX 5090 (24GB GDDR7)
- 32GB (6400MHz) DDR5-SDRAM (2 x 16) & 2000GB SSD
Intel Core Ultra 9 275HX (36MB Cache), 32GB DDR5-SDRAM, 2000GB SSD, 45.7 cm (18") Quad HD+ 2560 x 1600 IPS-Level, Intel Graphics, NVIDIA GeForce RTX 5090 (24GB GDDR7), LAN, WLAN, Webcam, Windows 11 Home
MSI Vector 18 HX AI A2XWJG-657. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 9, Processor model: 275HX. Display diagonal: 45.7 cm (18"), HD type: Quad HD+, Display resolution: 2560 x 1600 pixels. Internal memory: 32 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 2 TB, Storage media: SSD. On-board graphics card model: Intel® Graphics, Discrete graphics card model: NVIDIA GeForce RTX 5090. Operating system installed: Windows 11 Home. Product colour: Grey

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 *	✓
Original brand name	MSI	On-board graphics card family	Intel® Graphics
Display		On-board graphics card model *	Intel® Graphics
Display diagonal *	45.7 cm (18")	Audio	
Display resolution *	2560 x 1600 pixels	Audio system	Nahimic 3
Touchscreen *	✗	Number of built-in speakers	6
HD type	Quad HD+	Speaker power	2 W
Panel type	IPS-Level	Camera	
Native aspect ratio	16:10	Front camera	✓
Anti-glare screen	✓	Front camera resolution	1920 x 1080 pixels
RGB colour space	DCI-P3	Front camera HD type	Full HD
Colour gamut	100%	Video capturing speed	30 fps
Maximum refresh rate	240 Hz	Infrared (IR) camera	✓
Processor		Privacy camera	✓
Processor manufacturer *	Intel	Privacy type	Privacy shutter
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 7 BE1750
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	Ports & interfaces	
Performance-core base frequency	2.7 GHz	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	3
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		

Processor		Ports & interfaces	
Maximum turbo power	160 W	HDMI version	2.1
Neural processor unit (NPU)		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	✓	Performance	
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Motherboard chipset	Intel HM870
Total processor performance up to	36 TOPs	Keyboard	
NPU performance up to	13 TOPs	Pointing device	Touchpad
GPU performance up to	8 TOPs	Numeric keypad *	✓
Memory		Keyboard backlit	✓
Internal memory *	32 GB	Keyboard backlit colour	RGB
Internal memory type	DDR5-SDRAM	Keyboard backlit zone	26-Zone RGB
Memory clock speed	6400 MHz	Copilot key	✓
Memory layout (slots x size)	2 x 16 GB	Software	
Memory slots	2x SO-DIMM	Operating system installed *	Windows 11 Home
Maximum internal memory *	96 GB	Battery	
Storage		Number of battery cells	4
Total storage capacity *	2 Tb	Battery capacity *	99 Wh
Storage media *	SSD	Power	
Total SSDs capacity	2 Tb	AC adapter power	400 W
Number of SSDs installed	1	DC-in jack	✓
SSD capacity	2 Tb	USB Type-C charging port *	✓
SSD interface	PCI Express 4.0	USB Power Delivery (USB PD)	✓
NVMe	✓	Security	
SSD form factor	M.2	Cable lock slot	✓
Optical drive type *	✗	Cable lock slot type	Kensington
Card reader integrated	✓	Trusted Platform Module (TPM)	✓
Compatible memory cards	SD	Trusted Platform Module (TPM) version	2.0
Graphics		Weight & dimensions	
Discrete GPU manufacturer	NVIDIA	Width	404 mm
Discrete graphics card model *	NVIDIA GeForce RTX 5090	Depth	307.5 mm
Discrete graphics card memory	24 GB	Height (front)	2.4 cm
		Height (rear)	3.21 cm
		Weight *	3.6 kg
		Packaging content	
		AC adapter included *	✓



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