



MSI Vector 16 HX A13VHG-290FR Intel® Core™ i9 i9-13980HX Laptop 40,6 cm (16") Full HD+ 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4080 Wi-Fi 6E (802.11ax) Windows 11 Home Black

Brand : MSI

Article code: VECTOR 16 HX A13VHG-290FR

Product name : Vector 16 HX A13VHG-290FR

MSI Vector 16 HX A13VHG-290FR. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i9, Processor model: i9-13980HX. Display diagonal: 40,6 cm (16"), HD type: Full HD+, Display resolution: 1920 x 1200 pixels. Internal memory: 16 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics, Discrete graphics card model: NVIDIA GeForce RTX 4080. Operating system installed: Windows 11 Home. Product color: Black



Design		Graphics	
Colour name	Cosmos Gray	On-board graphics card 6K support	✓
Product type *	Laptop	Graphics card Open GL support	✓
Product colour *	Black	Audio	
Form factor *	Clamshell	Audio system	Nahimic 3
Market positioning	Gaming	Number of built-in speakers	2
Original brand name	MSI	Speaker power	2 W
Display		Camera	
Display diagonal *	40.6 cm (16")	Front camera	✓
Display resolution *	1920 x 1200 pixels	Front camera resolution	1280 x 720 pixels
Touchscreen *	✗	Front camera HD type	HD
HD type	Full HD+	Video capturing speed	30 fps
Native aspect ratio	16:10	Infrared (IR) camera	✓
Anti-glare screen	✓	Network	
RGB colour space	NTSC	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Colour gamut	45%	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Maximum refresh rate	144 Hz	Mobile network connection *	✗
Processor		WLAN controller model	Intel Wi-Fi 6E AX211
Processor manufacturer *	Intel	WLAN controller manufacturer	Intel
Processor family *	Intel® Core™ i9	Ethernet LAN	✓
Processor generation	13th gen Intel® Core™ i9	Ethernet LAN data rates	10,100,1000,2500 Mbit/s
Processor model *	i9-13980HX	Bluetooth	✓
Processor cores	24	Ports & interfaces	
Processor boost frequency	5.6 GHz	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Performance cores	8	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Efficient cores	16		
Performance-core Max Turbo Frequency	5.6 GHz		
Efficient-core Max Turbo Frequency	4 GHz		

Processor		Ports & interfaces	
Processor cache	36 MB	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
Processor cache type	Smart Cache	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Maximum turbo power	157 W	Ethernet LAN (RJ-45) ports	1
Memory		HDMI ports quantity *	1
Internal memory *	16 GB	HDMI version	2.1
Internal memory type	DDR5-SDRAM	Thunderbolt 4 ports quantity	1
Memory clock speed	5600 MHz	Intel® Thunderbolt 4	✓
Memory form factor	SO-DIMM	Combo headphone/mic port	✓
Memory layout (slots x size)	2 x 8 GB	USB Type-C DisplayPort Alternate Mode	✓
Memory slots	2x SO-DIMM		
Maximum internal memory *	64 GB		
Storage		Performance	
Total storage capacity *	1 TB	Motherboard chipset	Intel HM770
Storage media *	SSD	Repairability index	8.1
Total SSDs capacity	1 TB	Keyboard	
Number of SSDs installed	1	Pointing device	Touchpad
SSD capacity	1 TB	Keyboard language	French
SSD interface	PCI Express 4.0	Numeric keypad *	✓
NVMe	✓	Keyboard backlit	✓
Optical drive type *	✗	Keyboard backlit colour	RGB
Card reader integrated	✓	Keyboard backlit zone	Per-key RGB
Compatible memory cards	SD		
Graphics		Software	
Discrete GPU manufacturer	NVIDIA	Operating system installed *	Windows 11 Home
Discrete graphics card model *	NVIDIA GeForce RTX 4080	Battery	
Discrete graphics card memory	12 GB	Battery technology	Lithium Polymer (LiPo)
Discrete graphics memory type	GDDR6	Number of battery cells	4
On-board graphics card *	✓	Battery capacity *	90 Wh
On-board GPU manufacturer	Intel	Power	
Discrete graphics card *	✓	AC adapter power	330 W
On-board graphics card family	Intel® UHD Graphics	Security	
On-board graphics card model *	Intel® UHD Graphics	Cable lock slot	✓
On-board graphics card 4K support	✓	Cable lock slot type	Kensington
		Weight & dimensions	
		Width	357 mm
		Depth	284 mm
		Height (front)	2.22 cm
		Height (rear)	2.85 cm
		Weight *	2.7 kg



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