



MSI Gaming Vector GP68 HX 13VH-085UK Intel® Core™ i9 i9-13950HX 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 Grey

Brand : MSI

Product family: Gaming

Product code: VECTOR GP68
HX 13VH-085UK



Product name : Vector GP68
HX 13VH-085UK

- Windows 11 Home
- Intel Core i9-13950HX (36MB Cache)
- 40.6 cm (16") Full HD+ 1920 x 1200, NVIDIA GeForce RTX 4080 (12GB GDDR6)
- 16GB (5600MHz) DDR5-SDRAM (2 x 8) & 1000GB SSD
Intel Core i9-13950HX (36MB Cache), 16GB DDR5-SDRAM, 1000GB SSD, 40.6 cm (16") Full HD+ 1920 x 1200, Intel UHD Graphics, NVIDIA GeForce RTX 4080 (12GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home
MSI Gaming Vector GP68 HX 13VH-085UK. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i9, Processor model: i9-13950HX. 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 colour: Grey



Design		Audio	
Colour name	Cosmos Gray	Speakers manufacturer	Nahimic
Product type *	Laptop	Speaker power	2 W
Product colour *	Grey	Camera	
Form factor *	Clamshell	Front camera	✓
Market positioning	Gaming	Front camera resolution	1280 x 720 pixels
Original brand name	MSI	Front camera HD type	HD
Display		Video capturing speed	30 fps
Display diagonal *	40.6 cm (16")	Infrared (IR) camera	✓
Display resolution *	1920 x 1200 pixels	Network	
Touchscreen *	✗	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
HD type	Full HD+	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Native aspect ratio	16:10	Mobile network connection *	✗
Anti-glare screen	✓	WLAN controller model	Intel Wi-Fi 6E AX211
Display diagonal (metric)	40.6 cm	WLAN controller manufacturer	Intel
RGB colour space	DCI-P3	Ethernet LAN	✓
Colour gamut	100%	Ethernet LAN data rates	10,100,1000,2500 Mbit/s
Maximum refresh rate	144 Hz	Bluetooth	✓
Processor		Bluetooth version	5.3
Processor manufacturer *	Intel	Ports & interfaces	
Processor family *	Intel® Core™ i9	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Processor generation	13th gen Intel® Core™ i9	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
Processor model *	i9-13950HX	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2
Processor cores	24	Ethernet LAN (RJ-45) ports	1
Processor boost frequency	5.5 GHz	HDMI ports quantity *	1
Performance cores	8	HDMI version	2.1
Efficient cores	16		
Performance-core Max Turbo Frequency	5.5 GHz		

Processor		Ports & interfaces	
Efficient-core Max Turbo Frequency	4 GHz	Thunderbolt 4 ports quantity	1
Processor cache	36 MB	Intel® Thunderbolt 4	✓
Processor cache type	Smart Cache	Combo headphone/mic port	✓
Bus type	DMI4	Charging port type	USB Type-C
Configurable TDP-down	45 W	USB Type-C DisplayPort Alternate Mode	✓
Processor base power	55 W		
Maximum turbo power	157 W		
Memory		Performance	
Internal memory *	16 GB	Motherboard chipset	Intel HM770
Internal memory type	DDR5-SDRAM	Repairability index	6.7
Memory clock speed	5600 MHz		
Memory form factor	SO-DIMM	Keyboard	
Memory layout (slots x size)	2 x 8 GB	Pointing device	Touchpad
Memory slots	2x SO-DIMM	Numeric keypad *	✓
Maximum internal memory *	64 GB	Keyboard backlit	✓
		Keyboard backlit colour	RGB
		Keyboard backlit zone	Per-key RGB
Storage		Software	
Total storage capacity *	1 TB	Operating system installed *	Windows 11 Home
Storage media *	SSD		
Total SSDs capacity	1 TB	Processor special features	
Number of SSDs installed	1	Intel Flex Memory Access	✓
SSD capacity	1 TB	Intel VT-x with Extended Page Tables (EPT)	✓
SSD interface	PCI Express 4.0	CPU configuration (max)	1
NVMe	✓	Embedded options available	✗
SSD form factor	M.2	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Optical drive type *	✗	Intel Virtualization Technology (VT-x)	✓
Card reader integrated	✓		
Compatible memory cards	SD		
Graphics		Battery	
Discrete GPU manufacturer	NVIDIA	Battery technology	Lithium Polymer (LiPo)
Discrete graphics card model *	NVIDIA GeForce RTX 4080	Number of battery cells	4
Discrete graphics card memory	12 GB	Battery capacity *	90 Wh
Discrete graphics memory type	GDDR6		
On-board graphics card *	✓	Power	
On-board GPU manufacturer	Intel	AC adapter power	330 W
Discrete graphics card *	✓		
On-board graphics card family	Intel® UHD Graphics	Security	
On-board graphics card model *	Intel® UHD Graphics	Trusted Platform Module (TPM)	✓
		Trusted Platform Module (TPM) version	2.0
Audio		Weight & dimensions	
Audio system	Nahimic 3	Width	357 mm
Number of built-in speakers	2	Depth	284 mm
		Height (front)	2.22 cm
		Height (rear)	2.85 cm
		Weight *	2.67 kg



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