



MSI Gaming Vector GP68 HX 13VH-085UK Laptop 40.6 cm (16") Full HD+ Intel® Core™ i9 i9-13950HX 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		Camera	
Colour name	Cosmos Gray	Front camera	✓
Product type *	Laptop	Front camera resolution	1280 x 720 pixels
Product colour *	Grey	Front camera HD type	HD
Form factor *	Clamshell	Video capturing speed	30 fps
Market positioning	Gaming	Infrared (IR) camera	✓
Original brand name	MSI	Network	
Display		Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Display diagonal *	40.6 cm (16")	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Display resolution *	1920 x 1200 pixels	Mobile network connection *	✗
Touchscreen *	✗	WLAN controller model	Intel Wi-Fi 6E AX211
HD type	Full HD+	WLAN controller manufacturer	Intel
Anti-glare screen	✓	Ethernet LAN	✓
Display diagonal (metric)	40.6 cm	Ethernet LAN data rates	2500 Mbit/s
RGB colour space	DCI-P3	Bluetooth	✓
Colour gamut	100%	Bluetooth version	5.3
Processor		Ports & interfaces	
Processor manufacturer *	Intel	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 family *	Intel® Core™ i9	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2
Processor model *	i9-13950HX	Ethernet LAN (RJ-45) ports	1
Processor boost frequency	5.5 GHz	HDMI ports quantity *	1
Efficient-core Max Turbo Frequency	4 GHz	HDMI version	2.1
Performance-core Max Turbo Frequency	5.5 GHz	Thunderbolt 4 ports quantity	1
Processor cores	24	Intel® Thunderbolt 4	✓
Performance cores	8	Combo headphone/mic port	✓
Efficient cores	16	Charging port type	USB Type-C
Processor cache	36 MB		

Processor		Ports & interfaces	
Processor cache type	Smart Cache	USB Type-C DisplayPort Alternate Mode	✓
Bus type	DMI4	Performance	
Configurable TDP-down	45 W	Repairability index	6.7
Processor base power	55 W	Keyboard	
Maximum turbo power	157 W	Pointing device	Touchpad
Memory		Keyboard layout	AZERTY
Internal memory *	16 GB	Keyboard language	French
Internal memory type	DDR5-SDRAM	Numeric keypad *	✓
Memory clock speed	5600 MHz	Keyboard backlit	✓
Memory form factor	SO-DIMM	Keyboard backlit colour	RGB
Memory layout (slots x size)	2 x 8 GB	Keyboard backlit zone	Per-key RGB
Memory slots	2x SO-DIMM	Software	
Maximum internal memory *	64 GB	Operating system installed *	Windows 11 Home
Storage		Processor special features	
Total storage capacity *	1 TB	Intel Flex Memory Access	✓
Storage media *	SSD	Intel VT-x with Extended Page Tables (EPT)	✓
Total SSDs capacity	1 TB	CPU configuration (max)	1
Number of SSDs installed	1	Embedded options available	✗
SSD capacity	1 TB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
SSD interface	PCI Express 4.0	Intel Virtualization Technology (VT-x)	✓
NVMe	✓	Battery	
SSD form factor	M.2	Battery technology	Lithium Polymer (LiPo)
Optical drive type *	✗	Number of battery cells	4
Card reader integrated	✓	Battery capacity *	90 Wh
Compatible memory cards	SD	Power	
Graphics		AC adapter power	280 W
Discrete GPU manufacturer	NVIDIA	Security	
Discrete graphics card model *	NVIDIA GeForce RTX 4080	Trusted Platform Module (TPM)	✓
On-board graphics card *	✓	Trusted Platform Module (TPM) version	2.0
On-board GPU manufacturer	Intel	Weight & dimensions	
Discrete graphics card *	✓	Width	357 mm
On-board graphics card family	Intel® UHD Graphics	Depth	284 mm
On-board graphics card model *	Intel® UHD Graphics	Height (front)	2.22 cm
Discrete graphics card memory	12 GB	Height (rear)	2.85 cm
Discrete graphics memory type	GDDR6	Weight *	2.67 kg
Audio			
Number of built-in speakers	2		
Speaker power	2 W		



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