



## MSI Gaming Vector GP68 12VH-006 Intel® Core™ i9 i9-12900H Computadora portátil 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 Negro

**Marca :** MSI

**Familia de productos:**  
Gaming

**Código del producto:** VECTOR  
GP68HX 12VH-006

**Nombre del producto :** Vector  
GP68 12VH-006

MSI Gaming Vector GP68 12VH-006. Tipo de producto: Computadora portátil, Factor de forma: Concha. Familia de procesador: Intel® Core™ i9, Modelo del procesador: i9-12900H. Diagonal de la pantalla: 40.6 cm (16"), Tipo HD: Full HD+, Resolución de la pantalla: 1920 x 1200 Píxeles. Memoria interna: 16 GB, Tipo de memoria interna: DDR5-SDRAM. Capacidad total de almacenaje: 1 TB, Unidad de almacenamiento: SSD. Modelo de gráficos en tarjeta: Intel Iris Xe Graphics, Modelo de adaptador de gráficos discretos: NVIDIA GeForce RTX 4080. Sistema operativo instalado: Windows 11 Home. Color del producto: Negro



Design		Camera	
Product type *	Laptop	Front camera resolution	1280 x 720 pixels
Product colour *	Black	Front camera HD type	HD
Form factor *	Clamshell	Infrared (IR) camera	✓
Market positioning	Gaming	Privacy camera	✓
Display		Privacy type	Privacy shutter
Display diagonal *	40.6 cm (16")	Network	
Display resolution *	1920 x 1200 pixels	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Touchscreen *	✗	Wi-Fi standards	Wi-Fi 6E (802.11ax)
HD type	Full HD+	Mobile network connection *	✗
Panel type	IPS	WLAN controller model	Intel Wi-Fi 6E AX211
LED backlight	✓	WLAN controller manufacturer	Intel
Native aspect ratio	16:10	Ethernet LAN	✓
Maximum refresh rate	144 Hz	Ethernet LAN data rates	10,100,1000 Mbit/s
Processor		Bluetooth	✓
Processor manufacturer *	Intel	Bluetooth version	5.3
Processor family *	Intel® Core™ i9	Ports & interfaces	
Processor generation	12th gen Intel® Core™ i9	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Processor model *	i9-12900H	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
Processor cores	14	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2
Processor boost frequency	5 GHz	Ethernet LAN (RJ-45) ports	1
Performance cores	8	HDMI ports quantity *	1
Efficient cores	8	HDMI version	2.1
Performance-core Max Turbo Frequency	5 GHz	Thunderbolt 4 ports quantity	1
Efficient-core Max Turbo Frequency	3.6 GHz	Intel® Thunderbolt 4	✓
Processor cache	24 MB	Combo headphone/mic port	✓
Processor cache type	Smart Cache	USB Type-C DisplayPort Alternate Mode	✓
Bus type	DMI4	Performance	
Configurable TDP-down	35 W	Motherboard chipset	Intel HM670
Processor base power	55 W		
Maximum turbo power	157 W		

Memory		Keyboard	
Internal memory *	16 GB	Pointing device	Touchpad
Internal memory type	DDR5-SDRAM	Numeric keypad *	✓
Memory form factor	SO-DIMM	Keyboard backlit	✓
Memory layout (slots x size)	2 x 8 GB	Keyboard backlit colour	RGB
Memory slots	2x SO-DIMM	Keyboard backlit zone	Per-key RGB
Maximum internal memory *	64 GB	Island-style keyboard	✓
Storage		Software	
Total storage capacity *	1 TB	Operating system installed *	Windows 11 Home
Storage media *	SSD	Processor special features	
Total SSDs capacity	1 TB	Intel Flex Memory Access	✓
Number of SSDs installed	1	Intel Trusted Execution Technology	✓
SSD capacity	1 TB	Intel VT-x with Extended Page Tables (EPT)	✓
SSD interface	PCI Express 4.0	Intel Stable Image Platform Program (SIPP)	✓
NVMe	✓	Execute Disable Bit	✓
SSD form factor	M.2	CPU configuration (max)	1
Optical drive type *	✗	Embedded options available	✗
Card reader integrated	✓	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Compatible memory cards	SD	Intel Virtualization Technology (VT-x)	✓
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	Power	
On-board graphics card *	✓	AC adapter power	280 W
On-board GPU manufacturer	Intel	USB Power Delivery (USB PD)	✓
Discrete graphics card *	✓	Security	
On-board graphics card family	Intel Iris Xe Graphics	Windows Hello	✓
On-board graphics card model *	Intel Iris Xe Graphics	Trusted Platform Module (TPM)	✓
On-board graphics card 4K support	✓	Trusted Platform Module (TPM) version	2.0
Graphics card Open GL support	✓	Weight & dimensions	
Audio		Width	357 mm
Audio system	Nahimic 3	Depth	284.5 mm
Number of built-in speakers	2	Height (front)	2.22 cm
Speaker power	2 W	Height (rear)	2.85 cm
Built-in microphone	✓	Weight *	2.67 kg
Camera			
Front camera	✓		



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Publication date: 11-APR-2025. Prints or copies of Information are only valid on the printed Publication date