msi

MSI Gaming GP76 12UH-481UK Vector Intel® Core™ i9 i9-12900H Laptop 43.9 cm (17.3") Full HD 16 GB DDR4-SDRAM 1 TB SSD NVIDIA GeForce RTX 3080 Wi-Fi 6E (802.11ax) Windows 11 Home Black

Brand : MSI

Product family: Gaming

Product code: GP76 12UH-481UK

Product name : GP76 12UH-481UK Vector

- Windows 11 Home
- Intel Core i9-12900H (24MB Cache, 3.8GHz)
- 43.9 cm (17.3") Full HD 1920 x 1080, NVIDIA GeForce RTX 3080 (8GB GDDR6)
- 16GB (3200MHz) DDR4-SDRAM (2 x 8) & 1000GB SSD

Intel Core i9-12900H (24MB Cache, 3.8GHz), 16GB DDR4-SDRAM, 1000GB SSD, 43.9 cm (17.3") Full HD 1920 x 1080, Intel Iris Xe Graphics, NVIDIA GeForce RTX 3080 (8GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home

MSI Gaming GP76 12UH-481UK Vector. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i9, Processor model: i9-12900H, Processor frequency: 3.8 GHz. Display diagonal: 43.9 cm (17.3"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel Iris Xe Graphics. Operating system installed: Windows 11 Home. Product colour: Black

Design		Camera	
Product type *	Laptop	Front camera HD type	HD
Product colour *	Black	Video capturing speed	30 fps
Form factor *	Clamshell	**Network**	
Display		Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Display diagonal *	43.9 cm (17.3")	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Display resolution *	1920 x 1080 pixels	Mobile network connection *	✘
Touchscreen *	✘	WLAN controller model	Intel Wi-Fi 6E AX211
HD type	Full HD	WLAN controller manufacturer	Intel
RGB colour space	sRGB	Ethernet LAN	✓
Colour gamut	100%	Ethernet LAN data rates	2500 Mbit/s
Processor		Bluetooth	✓
Processor manufacturer *	Intel	Bluetooth version	5.2
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 *	3
Processor model *	i9-12900H	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Processor cores	14	Ethernet LAN (RJ-45) ports	1
Processor boost frequency	5 GHz	HDMI ports quantity *	1
Processor frequency *	3.8 GHz	Mini DisplayPorts quantity	1
Processor cache	24 MB	**Keyboard**	
Configurable TDP-down	35 W	Pointing device	Touchpad
Memory		Numeric keypad *	✓
Internal memory *	16 GB	Keyboard backlit	✓
Internal memory type	DDR4-SDRAM	Keyboard backlit colour	RGB
Memory clock speed	3200 MHz	**Software**	
Memory form factor	SO-DIMM	Operating system installed *	Windows 11 Home
Memory layout (slots x size)	2 x 8 GB	**Processor special features**	
Maximum internal memory *	64 GB	Intel Flex Memory Access	✓
Storage		Intel Trusted Execution Technology	✓
Total storage capacity *	1 TB		
Storage media *	SSD		
Total SSDs capacity	1 TB		

Storage

Number of SSDs installed	1
SSD capacity	1 TB
SSD interface	NVMe, PCI Express
NVMe	✔
Optical drive type *	✘

Graphics

Discrete graphics card model *	NVIDIA GeForce RTX 3080
Discrete graphics card memory	8 GB
Discrete graphics memory type	GDDR6
On-board graphics card *	✔
On-board GPU manufacturer	Intel
Discrete graphics card *	✔
On-board graphics card model *	Intel Iris Xe Graphics

Audio

Number of built-in speakers	2
Speaker power	2 W

Camera

Front camera	✔

Processor special features

Intel VT-x with Extended Page Tables (EPT)	✔
Intel Stable Image Platform Program (SIPP)	✔
Execute Disable Bit	✔
CPU configuration (max)	1
Embedded options available	✘
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel Virtualization Technology (VT-x)	✔

Battery

Number of battery cells	4
Battery capacity *	65 Wh

Power

AC adapter power	280 W

Weight & dimensions

Width	397 mm
Depth	284 mm
Height	25.9 mm
Weight *	2.9 kg

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