



# MSI Gaming GP76 12UH-481UK Vector Laptop 43.9 cm (17.3") Full HD Intel® Core™ i9 i9-12900H 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	Video capturing speed	30 fps
Product colour *	Black	Network	
Form factor *	Clamshell	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Display		Wi-Fi standards	Wi-Fi 6E (802.11ax)
Display diagonal *	43.9 cm (17.3")	Mobile network connection *	✗
Display resolution *	1920 x 1080 pixels	WLAN controller model	Intel Wi-Fi 6E AX211
Touchscreen *	✗	WLAN controller manufacturer	Intel
HD type	Full HD	Ethernet LAN	✓
RGB colour space	sRGB	Ethernet LAN data rates	2500 Mbit/s
Colour gamut	100%	Bluetooth	✓
Processor		Bluetooth version	5.2
Processor manufacturer *	Intel	Ports & interfaces	
Processor generation	12th gen Intel® Core™ i9	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
Processor family *	Intel® Core™ i9	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Processor model *	i9-12900H	Ethernet LAN (RJ-45) ports	1
Processor frequency *	3.8 GHz	HDMI ports quantity *	1
Processor boost frequency	5 GHz	Mini DisplayPorts quantity	1
Processor cores	14	Keyboard	
Processor cache	24 MB	Pointing device	Touchpad
Configurable TDP-down	35 W	Numeric keypad *	✓
Memory		Keyboard backlit	✓
Internal memory *	16 GB	Keyboard backlit colour	RGB
Internal memory type	DDR4-SDRAM	Software	
Memory clock speed	3200 MHz	Operating system installed *	Windows 11 Home
Memory form factor	SO-DIMM	Processor special features	
Memory layout (slots x size)	2 x 8 GB	Intel Flex Memory Access	✓
Maximum internal memory *	64 GB	Intel Trusted Execution Technology	✓
Storage		Intel VT-x with Extended Page Tables (EPT)	✓
Total storage capacity *	1 TB		
Storage media *	SSD		
Total SSDs capacity	1 TB		

Storage		Processor special features	
Number of SSDs installed	1	Intel Stable Image Platform Program (SIPP)	✓
SSD capacity	1 TB	Execute Disable Bit	✓
SSD interface	NVMe, PCI Express	CPU configuration (max)	1
NVMe	✓	Embedded options available	✗
Optical drive type *	✗	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Graphics		Intel Virtualization Technology (VT-x)	✓
Discrete graphics card model *	NVIDIA GeForce RTX 3080	Battery	
On-board graphics card *	✓	Number of battery cells	4
Discrete graphics card *	✓	Battery capacity *	65 Wh
On-board graphics card model *	Intel Iris Xe Graphics	Power	
Discrete graphics card memory	8 GB	AC adapter power	280 W
Discrete graphics memory type	GDDR6	Weight & dimensions	
Audio		Width	397 mm
Number of built-in speakers	2	Depth	284 mm
Speaker power	2 W	Height	25.9 mm
Camera		Weight *	2.9 kg
Front camera	✓		
Front camera HD type	HD		



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