



**MSI Gaming GP76 12UE-270 Vector Intel® Core™ i7 i7-12700H  
Laptop 43.9 cm (17.3") Full HD 16 GB DDR4-SDRAM 1 TB SSD  
NVIDIA GeForce RTX 3060 Wi-Fi 6E (802.11ax) Windows 11 Home  
Black**

**Brand :** MSI

**Product family:** Gaming

**Product code:** GP76 12UE-270

**Product name :** GP76  
12UE-270 Vector



- Windows 11 Home  
- Intel Core i7-12700H (24MB Cache)  
- 43.9 cm (17.3") Full HD 1920 x 1080, NVIDIA GeForce RTX 3060 (6GB GDDR6)  
- 16GB (3200MHz) DDR4-SDRAM (2 x 8) & 1000GB SSD  
Intel Core i7-12700H (24MB Cache), 16GB DDR4-SDRAM, 1000GB SSD, 43.9 cm (17.3") Full HD 1920 x 1080, Intel Iris Xe Graphics, NVIDIA GeForce RTX 3060 (6GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home

MSI Gaming GP76 12UE-270 Vector. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-12700H. 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, Discrete graphics card model: NVIDIA GeForce RTX 3060. 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	<b>Network</b>	
Market positioning	Gaming	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	✓
Native aspect ratio	16:9	Ethernet LAN data rates	2500 Mbit/s
Maximum refresh rate	360 Hz	Bluetooth	✓
Processor		Bluetooth version	5.2
Processor manufacturer *	Intel	Ports & interfaces	
Processor family *	Intel® Core™ i7	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
Processor generation	12th gen Intel® Core™ i7	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Processor model *	i7-12700H	Ethernet LAN (RJ-45) ports	1
Processor cores	14	HDMI ports quantity *	1
Processor cache	24 MB	Mini DisplayPorts quantity	1
Configurable TDP-down	35 W	Combo headphone/mic port	✓
Memory		Keyboard	
Internal memory *	16 GB	Pointing device	Touchpad
Internal memory type	DDR4-SDRAM	Numeric keypad *	✓
Memory clock speed	3200 MHz	Keyboard backlit	✓
Memory form factor	SO-DIMM	Keyboard backlit colour	RGB
Memory layout (slots x size)	2 x 8 GB	Software	
Memory slots	2x SO-DIMM	Operating system installed *	Windows 11 Home
Maximum internal memory *	64 GB	Processor special features	
Storage		Intel Flex Memory Access	✓
Total storage capacity *	1 TB	Intel Trusted Execution Technology	✓
Storage media *	SSD		
Total SSDs capacity	1 TB		

Storage		Processor special features	
Number of SSDs installed	1	Intel VT-x with Extended Page Tables (EPT)	✓
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 3060	Battery	
Discrete graphics card memory	6 GB	Number of battery cells	4
Discrete graphics memory type	GDDR6	Battery capacity *	65 Wh
On-board graphics card *	✓	Power	
On-board GPU manufacturer	Intel	AC adapter power	240 W
Discrete graphics card *	✓	Weight & dimensions	
On-board graphics card model *	Intel Iris Xe Graphics	Width	397 mm
Audio		Depth	284 mm
Number of built-in speakers	2	Height	25.9 mm
Speaker power	2 W	Weight *	2.9 kg
Camera			
Front camera	✓		



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Publication date: 28-APR-2024. Prints or copies of Information are only valid on the printed Publication date