



MSI Gaming Thin GF63 12UCX-472UK Intel® Core™ i5 i5-12450H Laptop 39.6 cm (15.6") Full HD 16 GB DDR4-SDRAM 512 GB SSD NVIDIA GeForce RTX 2050 Wi-Fi 6 (802.11ax) Windows 11 Home Black



Brand : MSI

Product family: Gaming

Product code: THIN GF63 12UCX-472UK

Product name : Thin GF63 12UCX-472UK

- Windows 11 Home
- Intel Core i5-12450H (12MB Cache)
- 39.6 cm (15.6") Full HD 1920 x 1080, NVIDIA GeForce RTX 2050 (4GB GDDR6)
- 16GB (3200MHz) DDR4-SDRAM (1 x 8) & 512GB SSD
- Intel Core i5-12450H (12MB Cache), 16GB DDR4-SDRAM, 512GB SSD, 39.6 cm (15.6") Full HD 1920 x 1080, Intel UHD Graphics, NVIDIA GeForce RTX 2050 (4GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home
- MSI Gaming Thin GF63 12UCX-472UK. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-12450H. Display diagonal: 39.6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics, Discrete graphics card model: NVIDIA GeForce RTX 2050. Operating system installed: Windows 11 Home. Product colour: Black



Design		Network	
Product type *	Laptop	Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Product colour *	Black	Wi-Fi standards	Wi-Fi 6 (802.11ax)
Form factor *	Clamshell	Mobile network connection *	✗
Display		Antenna type	2x2
Display diagonal *	39.6 cm (15.6")	WLAN controller model	Intel Wi-Fi 6 AX201
Display resolution *	1920 x 1080 pixels	WLAN controller manufacturer	Intel
Touchscreen *	✗	Ethernet LAN	✓
HD type	Full HD	Ethernet LAN data rates	10,100,1000 Mbit/s
Native aspect ratio	16:9	Bluetooth	✓
Anti-glare screen	✓	Bluetooth version	5.2
RGB colour space	NTSC	Ports & interfaces	
Colour gamut	45%	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
Maximum refresh rate	144 Hz	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Processor		Ethernet LAN (RJ-45) ports	1
Processor manufacturer *	Intel	HDMI ports quantity *	1
Processor family *	Intel® Core™ i5	Headphone outputs	1
Processor generation	12th gen Intel® Core™ i5	Microphone in	✓
Processor model *	i5-12450H	USB Type-C DisplayPort Alternate Mode	✓
Processor cores	8	Performance	
Processor boost frequency	4.4 GHz	Motherboard chipset	Intel HM670
Processor cache	12 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	Red
Memory clock speed	3200 MHz		
Memory form factor	SO-DIMM		
Memory slots	2x SO-DIMM		

Memory		Software	
Maximum internal memory *	64 GB	Operating system installed *	Windows 11 Home
Storage		Processor special features	
Total storage capacity *	512 GB	Intel Flex Memory Access	✓
Storage media *	SSD	Intel VT-x with Extended Page Tables (EPT)	✓
Total SSDs capacity	512 GB	Execute Disable Bit	✓
Number of SSDs installed	1	CPU configuration (max)	1
SSD capacity	512 GB	Embedded options available	✗
SSD interface	PCI Express 4.0	Intel Virtualization Technology for Directed I/O (VT-d)	✓
NVMe	✓	Intel Virtualization Technology (VT-x)	✓
Optical drive type *	✗		
Graphics		Battery	
Discrete GPU manufacturer	NVIDIA	Battery technology	Lithium Polymer (LiPo)
Discrete graphics card model *	NVIDIA GeForce RTX 2050	Number of battery cells	3
Discrete graphics card memory	4 GB	Battery capacity *	52.4 Wh
Discrete graphics memory type	GDDR6		
On-board graphics card *	✓	Power	
On-board GPU manufacturer	Intel	AC adapter power	120 W
Discrete graphics card *	✓	Security	
On-board graphics card family	Intel® UHD Graphics	Cable lock slot	✓
On-board graphics card model *	Intel® UHD Graphics	Cable lock slot type	Kensington
Audio		Weight & dimensions	
Audio system	Nahimic 3	Width	359 mm
Number of built-in speakers	2	Depth	254 mm
Speakers manufacturer	Nahimic	Height	21.7 mm
Speaker power	2 W	Weight *	1.86 kg
Camera		Packaging data	
Front camera	✓	Package width	477 mm
Front camera HD type	HD	Package depth	89 mm
Video capturing speed	30 fps	Package height	328 mm
		Logistics data	
		Commodity Classification Automated Tracking System (CCATS)	8471300000



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