



# 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 SoC
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 layout (slots x size)	1 x 8 GB		
Maximum internal memory *	64 GB		

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



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