



MSI Gaming Thin GF63 12VF-273BE Intel® Core™ i5 i5-12450H Laptop 39.6 cm (15.6") Full HD 16 GB DDR4-SDRAM 512 GB SSD NVIDIA GeForce RTX 4060 Wi-Fi 6 (802.11ax) Windows 11 Home Black

Brand : MSI

Product family: Gaming

Product code: THIN GF63 12VF-273BE



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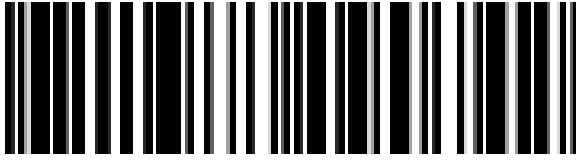
- Windows 11 Home
- Intel Core i5-12450H (12MB Cache)
- 39.6 cm (15.6") Full HD 1920 x 1080, NVIDIA GeForce RTX 4060 (8GB GDDR6)
- 16GB (3200MHz) DDR4-SDRAM (2 x 8) & 512GB SSD
- Intel Core i5-12450H (12MB Cache), 16GB DDR4-SDRAM, 512GB SSD, 39.6 cm (15.6") Full HD 1920 x 1080, Intel UHD Graphics, NVIDIA GeForce RTX 4060 (8GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home

MSI Gaming Thin GF63 12VF-273BE. 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 4060. Operating system installed: Windows 11 Home. Product colour: Black



Design		Audio	
Product type *	Laptop	Audio system	Nahimic 3
Product colour *	Black	Number of built-in speakers	2
Form factor *	Clamshell	Speakers manufacturer	Nahimic
Display		Speaker power	2 W
Display diagonal *	39.6 cm (15.6")	Camera	
Display resolution *	1920 x 1080 pixels	Front camera	✓
Touchscreen *	✗	Front camera HD type	HD
HD type	Full HD	Video capturing speed	30 fps
Native aspect ratio	16:9	Network	
Display brightness	250 cd/m ²	Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Maximum refresh rate	144 Hz	Wi-Fi standards	Wi-Fi 6 (802.11ax)
Processor		Mobile network connection *	✗
Processor manufacturer *	Intel	WLAN controller model	Intel Wi-Fi 6 AX201
Processor family *	Intel® Core™ i5	WLAN controller manufacturer	Intel
Processor generation	12th gen Intel® Core™ i5	Ethernet LAN	✓
Processor model *	i5-12450H	Ethernet LAN data rates	10,100,1000 Mbit/s
Processor cores	8	Bluetooth	✓
Processor threads	12	Bluetooth version	5.2
Processor boost frequency	4.4 GHz	Ports & interfaces	
Performance cores	4	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
Efficient cores	4	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Performance-core Max Turbo Frequency	4.4 GHz	Ethernet LAN (RJ-45) ports	1
Efficient-core Max Turbo Frequency	3.3 GHz	HDMI ports quantity *	1
Processor cache	12 MB	Headphone outputs	1
Processor cache type	Smart Cache	Microphone in	✓
Processor base power	45 W		
Maximum turbo power	95 W		

Memory		Performance	
Internal memory *	16 GB	Motherboard chipset	Intel HM670
Internal memory type	DDR4-SDRAM	Keyboard	
Memory clock speed	3200 MHz	Pointing device	Touchpad
Memory layout (slots x size)	2 x 8 GB	Numeric keypad *	✘
Maximum internal memory *	64 GB	Keyboard backlit	✔
Storage		Keyboard backlit colour	Red
Total storage capacity *	512 GB	Software	
Storage media *	SSD	Operating system installed *	Windows 11 Home
Total SSDs capacity	512 GB	MSI System Control Manager MSI BurnRecovery MSI Remind Manager MSI Battery Calibration MSI Help Desk Norton Internet Security (trial 60days) Norton Studio (Metro) (permanent free) Nvidia GeForce Experience Microsoft Office 2016 (trial 30 days, 1 year per purchase) True Color 2.0 Nahimic 3 Dragon Center 2.0 Nvidia GeForce Experience Microsoft Office 2016 (trial 30 days, 1 year per purchase) True Color 2.0 Nahimic 3 Dragon Center 2.0	
Number of SSDs installed	1	Bundled software	
SSD capacity	512 GB		
SSD interface	PCI Express 4.0		
NVMe	✔		
Optical drive type *	✘		
Graphics			
Discrete GPU manufacturer	NVIDIA		
Discrete graphics card model *	NVIDIA GeForce RTX 4060		
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 family	Intel® UHD Graphics		
On-board graphics card model *	Intel® UHD Graphics		
		Battery	
		Number of battery cells	3
		Battery capacity *	51 Wh
		Power	
		AC adapter power	120 W
		Security	
		Cable lock slot	✔
		Cable lock slot type	Kensington
		Weight & dimensions	
		Width	359 mm
		Depth	254 mm
		Height	21.7 mm
		Weight *	1.86 kg
		Other features	
		Warranty period	2 year(s)



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