



MSI Gaming Thin GF63 12VF-848US Intel® Core™ i7 i7-12650H
Computadora portátil 39.6 cm (15.6") Full HD 32 GB DDR4-SDRAM
1 TB SSD NVIDIA GeForce RTX 4060 Wi-Fi 6 (802.11ax) Windows
11 Home Negro

Marca : MSI

Familia de productos:
Gaming

Código del producto: THIN
GF63 12VF-848US



Nombre del producto : Thin
GF63 12VF-848US

MSI Gaming Thin GF63 12VF-848US. Tipo de producto: Computadora portátil, Factor de forma: Concha. Familia de procesador: Intel® Core™ i7, Modelo del procesador: i7-12650H. Diagonal de la pantalla: 39.6 cm (15.6"), Tipo HD: Full HD, Resolución de la pantalla: 1920 x 1080 Píxeles. Memoria interna: 32 GB, Tipo de memoria interna: DDR4-SDRAM. Capacidad total de almacenaje: 1 TB, Unidad de almacenamiento: SSD. Modelo de gráficos en tarjeta: Intel® UHD Graphics, Modelo de adaptador de gráficos discretos: NVIDIA GeForce RTX 4060. Sistema operativo instalado: Windows 11 Home. Color del producto: Negro



Design		Graphics	
Product type *	Laptop	On-board graphics card model *	Intel® UHD Graphics
Product colour *	Black	Audio	
Form factor *	Clamshell	Number of built-in speakers	2
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	
Anti-glare screen	✓	Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
RGB colour space	NTSC	Wi-Fi standards	Wi-Fi 6 (802.11ax)
Colour gamut	45%	Mobile network connection *	✗
Maximum refresh rate	144 Hz	WLAN controller model	Intel Wi-Fi 6 AX201
Processor		WLAN controller manufacturer	Intel
Processor manufacturer *	Intel	Ethernet LAN	✓
Processor family *	Intel® Core™ i7	Ethernet LAN data rates	10,100,1000 Mbit/s
Processor generation	12th gen Intel® Core™ i7	Bluetooth	✓
Processor model *	i7-12650H	Bluetooth version	5.2
Processor cores	10	Ports & interfaces	
Processor boost frequency	4.7 GHz	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
Performance cores	6	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Efficient cores	4	Ethernet LAN (RJ-45) ports	1
Performance-core Max Turbo Frequency	4.7 GHz	HDMI ports quantity *	1
Efficient-core Max Turbo Frequency	3.5 GHz	Headphone outputs	1
Processor cache	24 MB	Microphone in	✓
Processor cache type	Smart Cache		
Configurable TDP-down	35 W		

Processor		Performance	
Processor base power	45 W	Motherboard chipset	Intel HM670
Maximum turbo power	115 W	Keyboard	
Memory		Pointing device	Touchpad
Internal memory *	32 GB	Numeric keypad *	✗
Internal memory type	DDR4-SDRAM	Keyboard backlit	✓
Memory clock speed	3200 MHz	Keyboard backlit colour	Red
Memory form factor	SO-DIMM	Software	
Memory layout (slots x size)	2 x 16 GB	Operating system installed *	Windows 11 Home
Memory slots	2x SO-DIMM	Processor special features	
Maximum internal memory *	64 GB	Intel VT-x with Extended Page Tables (EPT)	✓
Storage		Execute Disable Bit	✓
Total storage capacity *	1 TB	CPU configuration (max)	1
Storage media *	SSD	Embedded options available	✗
Total SSDs capacity	1 TB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Number of SSDs installed	1	Intel Virtualization Technology (VT-x)	✓
SSD capacity	1 TB	Battery	
SSD interface	PCI Express 4.0	Battery technology	Lithium Polymer (LiPo)
NVMe	✓	Number of battery cells	3
Optical drive type *	✗	Battery capacity *	51 Wh
Graphics		Power	
Discrete GPU manufacturer	NVIDIA	AC adapter power	120 W
Discrete graphics card model *	NVIDIA GeForce RTX 4060	Security	
Discrete graphics card memory	8 GB	Cable lock slot	✓
Discrete graphics memory type	GDDR6	Cable lock slot type	Kensington
On-board graphics card *	✓	Weight & dimensions	
Discrete graphics card *	✓	Width	359 mm
On-board graphics card family	Intel® UHD Graphics	Depth	254 mm
		Height	21.7 mm
		Weight *	1.86 kg

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