MSI Gaming Thin GF63 12VF-436US Intel® Core™ i7 i7-12650H Computadora portátil 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 Negro

Marca : MSI Familia de productos: Código del producto: THIN Gaming GF63 12VF-436US

Nombre del producto: Thin

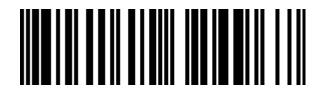
GF63 12VF-436US

MSI Gaming Thin GF63 12VF-436US. 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 Pixeles. Memoria interna: 16 GB, Tipo de memoria interna: DDR4-SDRAM. Capacidad total de almacenaje: 512 GB, 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		Camera	
Product type * Product colour * Form factor *	Laptop Black Clamshell	Front camera Front camera HD type Video capturing speed	✓HD30 fps
Market positioning	Gaming	Network	
Display Display diagonal * Display resolution * Touchscreen * HD type Native aspect ratio Display brightness Maximum refresh rate	39.6 cm (15.6") 1920 x 1080 pixels X Full HD 16:9 250 cd/m ² 144 Hz	Top Wi-Fi standard * Wi-Fi standards Mobile network connection * WLAN controller model Ethernet LAN Ethernet LAN data rates Bluetooth Bluetooth version	Wi-Fi 6 (802.11ax) Wi-Fi 6 (802.11ax)
Processor		Ports & interfaces	
Processor manufacturer * Processor family * Processor generation Processor model * Processor cores Processor boost frequency Processor cache Configurable TDP-down	Intel Intel® Core™ i7 12th gen Intel® Core™ i7 i7-12650H 10 4.7 GHz 24 MB 35 W	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity * Ethernet LAN (RJ-45) ports HDMI ports quantity * Headphone outputs Microphone in	3 1 1 1 1 1 **
Memory		Performance	
Internal memory * Internal memory type Memory clock speed Memory form factor Memory layout (slots x size) Memory slots Maximum internal memory *	16 GB DDR4-SDRAM 3200 MHz SO-DIMM 2 x 8 GB 2x SO-DIMM 64 GB	Motherboard chipset Keyboard Pointing device Numeric keypad * Keyboard backlit Keyboard backlit colour	Intel HM670 Touchpad
Storage	• •	Software	
Total storage capacity * Storage media *	512 GB SSD	Operating system installed *	Windows 11 Home

	Processor special features	
512 GB 1 512 GB	Intel Flex Memory Access	✓
	Intel VT-x with Extended Page Tables (EPT)	✓
PCI Express 4.0	Execute Disable Bit	✓
✓	CPU configuration (max)	1
×	Embedded options available	×
	Intel Virtualization Technology for Directed I/O (VT-d)	✓
NVIDIA NVIDIA GeForce RTX 4060 8 GB GDDR6	Intel Virtualization Technology (VT-x)	1
	Battery	
	Number of battery cells	3
✓	Battery capacity *	51 Wh
	Power	
	AC adapter power	120 W
Intel® UHD Graphics	DC-in jack	✓
	Security	
Nahimic 3	Cable lock slot	✓
2	Cable lock slot type	Kensington
Nahimic 2 W	Weight & dimensions	
	Width Depth Height Weight *	359 mm 254 mm 21.7 mm 1.86 kg
	1 512 GB PCI Express 4.0	1 Intel Flex Memory Access 1 Intel VT-x with Extended Page Tables (EPT) PCI Express 4.0 Execute Disable Bit ✓ CPU configuration (max) Embedded options available Intel Virtualization Technology for Directed I/O (VT-d) NVIDIA NVIDIA Intel Virtualization Technology (VT-x) 8 GB GDDR6 ✓ Battery Intel ✓ Power Intel® UHD Graphics Intel® UHD Graphics Intel® UHD Graphics Vacable lock slot Cable lock slot type Nahimic Weight & dimensions Width Depth Height





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