# MSI Gaming THIN GF63 12UCX-814US laptop Intel® Core™ i5 i5-12450H Computadora portátil 39.6 cm (15.6") Full HD 8 GB DDR4-SDRAM 512 GB SSD NVIDIA GeForce RTX 2050 Wi-Fi 6 (802.11ax) Windows 11 Home Negro

**Marca :** MSI

**Familia de productos:** Gaming

**Código del producto:** THIN GF63 12UCX-814US

**Nombre del producto :** THIN GF63 12UCX-814US

MSI Gaming THIN GF63 12UCX-814US. Tipo de producto: Computadora portátil, Factor de forma: Concha. Familia de procesador: Intel® Core™ i5, Modelo del procesador: i5-12450H. Diagonal de la pantalla: 39.6 cm (15.6"), Tipo HD: Full HD, Resolución de la pantalla: 1920 x 1080 Pixeles. Memoria interna: 8 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 2050. Sistema operativo instalado: Windows 11 Home. Color del producto: Negro

| Design | |
|---|---|
| Product type * | Laptop |
| Product colour * | Black |
| Form factor * | Clamshell |

| Display | |
|---|---|
| Display diagonal * | 39.6 cm (15.6") |
| Display resolution * | 1920 x 1080 pixels |
| Touchscreen * | ✕ |
| HD type | Full HD |
| Native aspect ratio | 16:9 |
| RGB colour space | NTSC |
| Colour gamut | 45% |
| Maximum refresh rate | 144 Hz |

| Processor | |
|---|---|
| Processor manufacturer * | Intel |
| Processor family * | Intel® Core™ i5 |
| Processor generation | 12th gen Intel® Core™ i5 |
| Processor model * | i5-12450H |
| Processor cores | 8 |
| Processor threads | 12 |
| Processor boost frequency | 4.4 GHz |
| Performance cores | 4 |
| Efficient cores | 4 |
| Performance-core Max Turbo Frequency | 4.4 GHz |
| Efficient-core Max Turbo Frequency | 3.3 GHz |
| Processor cache | 12 MB |
| Processor cache type | Smart Cache |
| Configurable TDP-down | 35 W |

| Audio | |
|---|---|
| Number of built-in speakers | 2 |
| Speakers manufacturer | Nahimic |
| Speaker power | 2 W |

| Camera | |
|---|---|
| Front camera | ✔ |
| Front camera HD type | HD |
| Video capturing speed | 30 fps |

| Network | |
|---|---|
| Top Wi-Fi standard * | Wi-Fi 6 (802.11ax) |
| Wi-Fi standards | Wi-Fi 6 (802.11ax) |
| Mobile network connection * | ✕ |
| Antenna type | 2x2 |
| WLAN controller model | Intel Wi-Fi 6 AX201 |
| WLAN controller manufacturer | Intel |
| Ethernet LAN | ✔ |
| Ethernet LAN data rates | 10,100,1000 Mbit/s |
| Bluetooth | ✔ |
| Bluetooth version | 5.2 |

| Ports & interfaces | |
|---|---|
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 3 |
| USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity * | 1 |
| Ethernet LAN (RJ-45) ports | 1 |
| HDMI ports quantity * | 1 |
| Headphone outputs | 1 |
| Microphone in | ✔ |

| Processor | |
|---|---|
| Processor base power | 45 W |
| Maximum turbo power | 95 W |

| Memory | |
|---|---|
| Internal memory * | 8 GB |
| Internal memory type | DDR4-SDRAM |
| Memory clock speed | 3200 MHz |
| Memory form factor | SO-DIMM |
| Memory layout (slots x size) | 1 x 8 GB |
| Memory slots | 2x SO-DIMM |
| Maximum internal memory * | 64 GB |

| Storage | |
|---|---|
| Total storage capacity * | 512 GB |
| Storage media * | SSD |
| Total SSDs capacity | 512 GB |
| Number of SSDs installed | 1 |
| SSD capacity | 512 GB |
| SSD interface | PCI Express 4.0 |
| NVMe | ✔ |
| Optical drive type * | ✘ |

| Graphics | |
|---|---|
| Discrete GPU manufacturer | Intel |
| Discrete graphics card model * | NVIDIA GeForce RTX 2050 |
| Discrete graphics card memory | 4 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 |

| Audio | |
|---|---|
| Audio system | Nahimic 3 |

| Ports & interfaces | |
|---|---|
| USB Type-C DisplayPort Alternate Mode | ✔ |

| Performance | |
|---|---|
| Motherboard chipset | Intel HM670 |

| Keyboard | |
|---|---|
| Pointing device | Touchpad |
| Numeric keypad * | ✘ |
| Keyboard backlit | ✔ |
| Keyboard backlit colour | Red |

| Software | |
|---|---|
| Operating system installed * | Windows 11 Home |

| Processor special features | |
|---|---|
| Intel Flex Memory Access | ✔ |
| Intel VT-x with Extended Page Tables (EPT) | ✔ |
| Execute Disable Bit | ✔ |
| CPU configuration (max) | 1 |
| Embedded options available | ✘ |
| Intel Virtualization Technology for Directed I/O (VT-d) | ✔ |
| Intel Virtualization Technology (VT-x) | ✔ |

| Battery | |
|---|---|
| Battery technology | Lithium Polymer (LiPo) |
| 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 |

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.

Publication date: 14-APR-2025. Prints or copies of Information are only valid on the printed Publication date