**msi**

# MSI Gaming Raider GE68 HX 14VIG-296FR Intel® Core™ i9 i9-14900HX Laptop 40,6 cm (16") Quad HD+ 32 GB DDR5-SDRAM 2 TB SSD NVIDIA GeForce RTX 4090 Wi-Fi 7 (802.11be) Windows 11 Pro Black

**Brand :** MSI

**Product family:** Gaming

**Article code:** RAIDER GE68 HX 14VIG-296FR

**Product name :** Raider GE68 HX 14VIG-296FR

MSI Gaming Raider GE68 HX 14VIG-296FR. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i9, Processor model: i9-14900HX. Display diagonal: 40,6 cm (16"), HD type: Quad HD+, Display resolution: 2560 x 1600 pixels. Internal memory: 32 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 2 TB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics, Discrete graphics card model: NVIDIA GeForce RTX 4090. Operating system installed: Windows 11 Pro. Product color: Black

## Design

| | |
|---|---|
| Colour name | Core Black |
| Product type * | Laptop |
| Product colour * | Black |
| Form factor * | Clamshell |

## Display

| | |
|---|---|
| Display diagonal * | 40.6 cm (16") |
| Display resolution * | 2560 x 1600 pixels |
| Touchscreen * | ✘ |
| HD type | Quad HD+ |
| Native aspect ratio | 16:10 |
| Anti-glare screen | ✔ |
| RGB colour space | DCI-P3 |
| Colour gamut | 100% |
| Maximum refresh rate | 240 Hz |

## Processor

| | |
|---|---|
| Processor manufacturer * | Intel |
| Processor family * | Intel® Core™ i9 |
| Processor generation | Intel® Core™ i9 (14th gen) |
| Processor model * | i9-14900HX |
| Processor cores | 24 |
| Processor threads | 32 |
| Processor boost frequency | 5.8 GHz |
| Performance cores | 8 |
| Efficient cores | 16 |
| Performance-core Max Turbo Frequency | 5.8 GHz |
| Efficient-core Max Turbo Frequency | 4.1 GHz |
| Performance-core base frequency | 2.2 GHz |

## Graphics

| | |
|---|---|
| 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

| | |
|---|---|
| Number of built-in speakers | 4 |
| Speaker power | 2 W |

## Camera

| | |
|---|---|
| Front camera | ✔ |
| Front camera HD type | Full HD |
| Video capturing speed | 30 fps |
| Infrared (IR) camera | ✔ |

## Network

| | |
|---|---|
| Top Wi-Fi standard * | Wi-Fi 7 (802.11be) |
| Wi-Fi standards | Wi-Fi 7 (802.11be) |
| Mobile network connection * | ✘ |
| Bluetooth | ✔ |
| Bluetooth version | 5.4 |

## Ports & interfaces

| | |
|---|---|
| USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * | 1 |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity | 1 |
| USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity | 2 |
| Ethernet LAN (RJ-45) ports | 1 |

## Processor

| | |
|---|---|
| Efficient-core base frequency | 1.6 GHz |
| Processor cache | 36 MB |
| Processor cache type | Smart Cache |
| Processor base power | 55 W |
| Maximum turbo power | 157 W |

## Memory

| | |
|---|---|
| Internal memory * | 32 GB |
| Internal memory type | DDR5-SDRAM |
| Memory clock speed | 5600 MHz |
| Memory form factor | SO-DIMM |
| Memory layout (slots x size) | 2 x 16 GB |
| Memory slots | 2x SO-DIMM |
| Maximum internal memory * | 64 GB |

## Storage

| | |
|---|---|
| Total storage capacity * | 2 TB |
| Storage media * | SSD |
| Total SSDs capacity | 2 TB |
| Number of SSDs installed | 1 |
| SSD capacity | 2 TB |
| SSD interface | PCI Express 4.0 |
| NVMe | ✔ |
| Optical drive type * | ✘ |
| Card reader integrated | ✔ |
| Compatible memory cards | SD |

## Graphics

| | |
|---|---|
| Discrete GPU manufacturer | NVIDIA |
| Discrete graphics card model * | NVIDIA GeForce RTX 4090 |
| Discrete graphics card memory | 16 GB |
| Discrete graphics memory type | GDDR6 |

## Ports & interfaces

| | |
|---|---|
| HDMI ports quantity * | 1 |
| HDMI version | 2.1 |
| Thunderbolt 4 ports quantity | 1 |
| Intel® Thunderbolt 4 | ✔ |
| Combo headphone/mic port | ✔ |

## Performance

| | |
|---|---|
| Motherboard chipset | Intel HM770 |
| Repairability index | 8.1 |

## Keyboard

| | |
|---|---|
| Pointing device | Touchpad |
| Keyboard layout | AZERTY |
| Keyboard language | French |
| Numeric keypad * | ✔ |
| Keyboard backlit | ✔ |
| Keyboard backlit colour | RGB |

## Software

| | |
|---|---|
| Operating system installed * | Windows 11 Pro |

## Battery

| | |
|---|---|
| Battery technology | Lithium Polymer (LiPo) |
| Number of battery cells | 4 |
| Battery capacity * | 99.9 Wh |

## Power

| | |
|---|---|
| AC adapter power | 280 W |

## Security

| | |
|---|---|
| Trusted Platform Module (TPM) | ✔ |
| Trusted Platform Module (TPM) version | 2.0 |

## Weight & dimensions

| | |
|---|---|
| Width | 357 mm |
| Depth | 284 mm |
| Height (front) | 2.22 cm |
| Height (rear) | 2.79 cm |
| Weight * | 2.75 kg |

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