Lenovo Legion Pro 7 Intel® Core™ i9 i9-14900HX Laptop 40,6 cm (16") WQXGA 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4080 Wi-Fi 6E (802.11ax) Windows 11 Home Zwart

Merk : Lenovo **Productfamilie:** Legion **Artikelcode:** 83DE008WMB

Productnaam : Pro 7

- Intel Core i9-14900HX, 24C (8P + 16E)/32T, P-core 2.2/5.8GHz, E-core 1.6/4.1GHz, 36MB
- 16" WQXGA (2560x1600) IPS 500nits 100% DCI-P3 240Hz DisplayHDR 400 Dolby Vision G-SYNC Low Blue Light High Gaming Performance
- 2x 16GB SO-DIMM DDR5-5600
- 1TB SSD M.2 2280 PCIe 4.0x4 NVMe
- NVIDIA GeForce RTX 4080 12GB , Boost Clock 2280MHz, TGP 175W, 542 AI TOPS
- Windows 11 Home

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Verbeterd met AI. Gekoeld door Vapor Chamber. Verover de game-arena.

Design	
Colour name	Eclipse Black
Product type *	Laptop
Product colour *	Black
Form factor *	Clamshell
Housing material	Aluminium

Display	
Display diagonal *	40.6 cm (16")
Display resolution *	2560 x 1600 pixels
Touchscreen *	✗
HD type	WQXGA
Panel type	IPS
LED backlight	✓
Native aspect ratio	16:10
Anti-glare screen	✓
Display brightness	500 cd/m²
RGB colour space	DCI-P3
Colour gamut	100%
Maximum refresh rate	240 Hz
Contrast ratio (typical)	1200:1
High Dynamic Range (HDR) supported	✓
High Dynamic Range (HDR) technology	Dolby Vision, DisplayHDR 400

Processor	
Processor manufacturer *	Intel
Processor family *	Intel® Core™ i9
Processor generation	Intel® Core™ i9 (14th gen)
Processor model *	i9-14900HX

Camera	
Front camera HD type	Full HD
Privacy camera	✓
Privacy type	Privacy shutter

Network	
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Wi-Fi standards	Wi-Fi 6E (802.11ax)
Mobile network connection *	✗
Antenna type	2x2
WLAN controller model	Killer Wi-Fi 6E 1675i
WLAN controller manufacturer	Killer
Ethernet LAN	✓
Ethernet LAN data rates	1000,100 Mbit/s
Bluetooth	✓
Bluetooth version	5.3
WWAN	Not installed

Ports & interfaces	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity *	1
HDMI version	2.1
Thunderbolt 4 ports quantity	1
Intel® Thunderbolt 4	✓
Combo headphone/mic port	✓
USB Type-C DisplayPort Alternate Mode	✓

Processor

Processor cores	24
Processor threads	24
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
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 *	32 GB
Memory channels	Dual-channel

Storage

Total storage capacity *	1 TB
Storage media *	SSD
Total SSDs capacity	1 TB
Number of SSDs installed	1
SSD capacity	1 TB
SSD interface	PCI Express 4.0
NVMe	✔
SSD form factor	M.2
Optical drive type *	✘
Card reader integrated	✘

Graphics

Discrete GPU manufacturer	NVIDIA
Discrete graphics card model *	NVIDIA GeForce RTX 4080
Discrete graphics card memory	12 GB
Discrete graphics memory type	GDDR6
On-board graphics card *	✔
On-board GPU manufacturer	Intel
Discrete graphics card *	✔
On-board graphics card family	Intel Iris Xe Graphics
On-board graphics card model *	Intel Iris Xe Graphics

Audio

Audio chip	Realtek ALC3306
Number of built-in speakers	2
Speaker power	2 W
Built-in microphone	✔
Number of microphones	2

Camera

Front camera	✔
Front camera resolution	1920 x 1080 pixels

Ports & interfaces

USB Sleep-and-Charge	✔
USB Sleep-and-Charge ports	1

Performance

Motherboard chipset	Intel HM770

Keyboard

Pointing device	Touchpad
Keyboard language	Belgian
Numeric keypad *	✔
Keyboard backlit	✔
Keyboard backlit colour	RGB
Keyboard backlit zone	Per-key RGB

Software

Operating system architecture	64-bit
Operating system language	German, Dutch, English, French
Trial software	Office
Operating system installed *	Windows 11 Home

Battery

Battery technology	Lithium Polymer (LiPo)
Battery capacity *	99.9 Wh
Battery life (max)	9 h
Continuous video playback time	10.4 h

Power

AC adapter power	330 W
AC adapter frequency	50/60 Hz
AC adapter input voltage	100 - 240 V
USB Type-C charging port *	✔
USB Power Delivery (USB PD) *	✔

Security

Fingerprint reader	✘
Trusted Platform Module (TPM)	✔
Trusted Platform Module (TPM) version	2.0
Password protection	✔
Password protection type	HDD, Power on, Supervisor

Operational conditions

Operating temperature (T-T)	5 - 35 °C
Storage temperature (T-T)	5 - 43 °C
Operating relative humidity (H-H)	8 - 95%
Storage relative humidity (H-H)	5 - 95%
Maximum shipping altitude	3048 m

Certificates

Compliance certificates	RoHS
Certification	ErP Lot 3 RoHS compliant TÜV Rheinland High Gaming Performance TÜV Rheinland Low Blue Light (Hardware Solution)

Sustainability

Sustainability certificates	ErP

Weight & dimensions

Width	363.5 mm
Depth	262.1 mm
Height (front)	2.19 cm
Height (rear)	2.59 cm
Weight *	2.62 kg

Packaging content	
AC adapter included *	✔

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