

Lenovo

Lenovo Legion 7 Intel® Core™ i9 i9-14900HX Laptop 40,6 cm (16") 3.2K 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4070 Wi-Fi 6E (802.11ax) Windows 11 Home Wit

Merk : Lenovo

Productfamilie: Legion

Artikelcode: 83FD0066MB

Productnaam : 7

- Intel Core i9-14900HX, 24C (8P + 16E)/32T, P-core 2.2/5.8GHz, E-core 1.6/4.1GHz, 36MB
- 16" 3.2K (3200x2000) IPS 430nits 100% DCI-P3 165Hz Dolby Vision G-SYNC Low Blue Light
- 2x 16GB SO-DIMM DDR5-5600
- 1TB SSD M.2 2280 PCIe 4.0x4 NVMe
- NVIDIA GeForce RTX 4070 8GB , Boost Clock 2175MHz, TGP 130W, 321 AI TOPS
- Windows 11 Home

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Design		Camera	
Colour name	Glacier White	Front camera	✓
Product type *	Laptop	Front camera resolution	1920 x 1080 pixels
Product colour *	White	Front camera HD type	Full HD
Form factor *	Clamshell	Privacy camera	✓
Housing material	Aluminium	Privacy type	Privacy shutter
Market positioning	Gaming		
Display		Network	
Display diagonal *	40.6 cm (16")	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Display resolution *	3200 x 2000 pixels	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Touchscreen *	✗	Mobile network connection *	✗
HD type	3.2K	Antenna type	2x2
Panel type	IPS	Ethernet LAN	✗
LED backlight	✓	Bluetooth	✓
Native aspect ratio	16:10	Bluetooth version	5.3
Anti-glare screen	✓	WWAN	Not installed
Display brightness	430 cd/m ²	Ports & interfaces	
RGB colour space	DCI-P3	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Colour gamut	100%	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Maximum refresh rate	165 Hz	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Contrast ratio (typical)	1200:1	HDMI ports quantity *	1
High Dynamic Range (HDR) supported	✓	HDMI version	2.1
High Dynamic Range (HDR) technology	Dolby Vision	Thunderbolt 4 ports quantity	1
Processor		Intel® Thunderbolt 4	✓
Processor manufacturer *	Intel	Combo headphone/mic port	✓
Processor family *	Intel® Core™ i9	USB Type-C DisplayPort Alternate Mode	✓
Processor generation	Intel® Core™ i9 (14th gen)		

Processor		Ports & interfaces	
Processor model *	i9-14900HX	USB Sleep-and-Charge	✓
Processor cores	24	USB Sleep-and-Charge ports	1
Processor threads	24	Performance	
Processor boost frequency	5.8 GHz	Motherboard chipset	Intel HM770
Performance cores	8	Hall sensor	✓
Efficient cores	16	Keyboard	
Performance-core Max Turbo Frequency	5.8 GHz	Pointing device	Touchpad
Efficient-core Max Turbo Frequency	4.1 GHz	Keyboard language	Belgian
Performance-core base frequency	2.2 GHz	Numeric keypad *	✓
Efficient-core base frequency	1.6 GHz	Keyboard backlit	✓
Processor cache	36 MB	Keyboard backlit colour	RGB
Processor cache type	Smart Cache	Keyboard backlit zone	Per-key RGB
Processor base power	55 W	Software	
Maximum turbo power	157 W	Operating system architecture	64-bit
Memory		Operating system language	German, Dutch, English, French
Internal memory *	32 GB	Trial software	Office
Internal memory type	DDR5-SDRAM	Operating system installed *	Windows 11 Home
Memory clock speed	5600 MHz	Bundled software	Office Trial
Memory form factor	SO-DIMM	Battery	
Memory layout (slots x size)	2 x 16 GB	Battery technology	Lithium Polymer (LiPo)
Memory slots	2x SO-DIMM	Battery capacity *	99.9 Wh
Maximum internal memory *	32 GB	Battery life (max)	5.7 h
Memory channels	Dual-channel	Continuous video playback time	8.7 h
Storage		Fast charging	✓
Total storage capacity *	1 TB	Power	
Storage media *	SSD	AC adapter power	230 W
Total SSDs capacity	1 TB	AC adapter frequency	50/60 Hz
Number of SSDs installed	1	AC adapter input voltage	100 - 240 V
SSD capacity	1 TB	USB Power Delivery (USB PD)	✓
SSD interface	PCI Express 4.0	Security	
NVMe	✓	Fingerprint reader	✓
SSD form factor	M.2	Trusted Platform Module (TPM)	✓
Optical drive type *	✗	Trusted Platform Module (TPM) version	2.0
Card reader integrated	✓	Password protection	✓
Compatible memory cards	SD	Password protection type	BIOS, Power on, Supervisor
Graphics		Operational conditions	
Discrete GPU manufacturer	NVIDIA	Operating temperature (T-T)	5 - 35 °C
Discrete graphics card model *	NVIDIA GeForce RTX 4070	Storage temperature (T-T)	5 - 43 °C
Discrete graphics card memory	8 GB	Operating relative humidity (H-H)	8 - 95%
Discrete graphics memory type	GDDR6	Storage relative humidity (H-H)	5 - 95%
On-board graphics card *	✓	Maximum shipping altitude	3048 m
On-board GPU manufacturer	Intel	Certificates	
Discrete graphics card *	✓	Compliance certificates	RoHS
On-board graphics card family	Intel Iris Xe Graphics	Certification	ErP Lot 3 TÜV Rheinland® Low Blue Light (Software Solution)
On-board graphics card model *	Intel Iris Xe Graphics	Weight & dimensions	
NVIDIA G-SYNC	✓	Width	357.7 mm
Audio		Depth	262.5 mm
Audio chip	Realtek ALC3287	Height (front)	1.76 cm
Audio system	Nahimic Audio	Height (rear)	1.98 cm
Number of built-in speakers	2	Weight *	2.24 kg
Speakers manufacturer	Harman Kardon	Packaging content	
Speaker power	2 W	Mouse included	✓
Built-in microphone	✓		
Number of microphones	2		

Packaging content

AC adapter included *





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