



## Lenovo Legion Pro 7 AMD Ryzen™ 9 7945HX Laptop 40,6 cm (16") WQXGA 32 GB DDR5-SDRAM 2 TB SSD NVIDIA GeForce RTX 4090 Wi-Fi 6E (802.11ax) Windows 11 Home Grijs

**Merk :** Lenovo

**Productfamilie:** Legion

**Artikelcode:** 82WS000RMB

**Productnaam :** Pro 7

- AMD Ryzen 9 7945HX (16C/32T, 2.5/5.4GHz, 16MB L2/64MB L3)
- 16" WQXGA (2560x1600) IPS 500nits 100% sRGB 240Hz DisplayHDR 400 Dolby Vision FreeSync G-SYNC Low Blue Light High Gaming Performance
- 2x 16GB SO-DIMM DDR5-5200
- 2x 1TB SSD M.2 2280 PCIe 4.0x4 NVMe
- NVIDIA GeForce RTX 4090 16GB , Boost Clock 2040MHz, TGP 175W
- Windows 11 Home

AMD Ryzen 9 7945HX (16C/32T, 2.5/5.4GHz, 16MB L2/64MB L3), 2x 16GB SO-DIMM DDR5-5200, 2x 1TB SSD M.2 2280 PCIe 4.0x4 NVMe, 16" WQXGA (2560x1600) IPS 500nits 100% sRGB 240Hz DisplayHDR 400 Dolby Vision FreeSync G-SYNC Low Blue Light High Gaming Performance, NVIDIA GeForce RTX 4090 16GB , Boost Clock 2040MHz, TGP 175W, Wi-Fi 6E 802.11ax 2x2 + BT5.2, FHD 1080p with E-shutter, Windows 11 Home

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### Alles wat je nodig hebt om alles en iedereen te verslaan

Design		Camera	
Colour name	Onyx grey	Privacy type	Privacy shutter
Product type *	Laptop	Network	
Product colour *	Grey	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Form factor *	Clamshell	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Housing material	Aluminium	Mobile network connection *	✗
Market positioning	Gaming	Antenna type	2x2
Display		Ethernet LAN	✓
Display diagonal *	40.6 cm (16")	Ethernet LAN data rates	100,1000 Mbit/s
Display resolution *	2560 x 1600 pixels	Bluetooth	✓
Touchscreen *	✗	Bluetooth version	5.1
HD type	WQXGA	WWAN	Not installed
Panel type	IPS	Ports & interfaces	
LED backlight	✓	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4
Native aspect ratio	16:10	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2
Anti-glare screen	✓	Ethernet LAN (RJ-45) ports	1
Display brightness	500 cd/m <sup>2</sup>	HDMI ports quantity *	1
RGB colour space	sRGB	HDMI version	2.1
Colour gamut	100%	Combo headphone/mic port	✓
Maximum refresh rate	240 Hz	USB Type-C DisplayPort Alternate Mode	✓
Contrast ratio (typical)	1200:1	USB Sleep-and-Charge	✓
High Dynamic Range (HDR) supported	✓	USB Sleep-and-Charge ports	1
High Dynamic Range (HDR) technology	DisplayHDR 400, Dolby Vision	Performance	
Processor		Motherboard chipset	AMD SoC
Processor manufacturer *	AMD		
Processor family *	AMD Ryzen™ 9		
Processor generation	AMD Ryzen 7000 Series		

<b>Processor</b>		<b>Keyboard</b>	
Processor model *	7945HX	Pointing device	Touchpad
Processor cores	16	Keyboard language	Belgian
Processor threads	32	Numeric keypad *	✓
Processor boost frequency	5.4 GHz	Keyboard backlit	✓
Processor frequency *	2.5 GHz	Keyboard backlit colour	RGB
Processor cache	64 MB	Keyboard backlit zone	Per-key RGB
Processor cache type	L3	<b>Software</b>	
Processor base power	55 W	Operating system architecture	64-bit
<b>Memory</b>		Operating system language	Dutch, French, English, German
Internal memory *	32 GB	Trial software	Office
Internal memory type	DDR5-SDRAM	Operating system installed *	Windows 11 Home
Memory clock speed	5200 MHz	Bundled software	Office Trial
Memory form factor	SO-DIMM	<b>Battery</b>	
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)	5.5 h
Memory channels	Dual-channel	Continuous video playback time	5.6 h
<b>Storage</b>		Fast charging	✓
Total storage capacity *	2 TB	<b>Power</b>	
Storage media *	SSD	AC adapter power	330 W
Total SSDs capacity	2 TB	AC adapter frequency	50/60 Hz
Number of SSDs installed	2	AC adapter input voltage	100 - 240 V
SSD capacity	1 TB	USB Type-C charging port *	✓
SSD interface	PCI Express 4.0	USB Power Delivery (USB PD) *	✓
NVMe	✓	<b>Security</b>	
SSD form factor	M.2	Fingerprint reader	✗
Optical drive type *	✗	Trusted Platform Module (TPM)	✓
Card reader integrated	✗	Trusted Platform Module (TPM) version	2.0
<b>Graphics</b>		Password protection	✓
Discrete GPU manufacturer	NVIDIA	Password protection type	Power on, SSD, Supervisor
Discrete graphics card model *	NVIDIA GeForce RTX 4090	<b>Operational conditions</b>	
Discrete graphics card memory	16 GB	Operating temperature (T-T)	5 - 35 °C
Discrete graphics memory type	GDDR6	Storage temperature (T-T)	5 - 43 °C
On-board graphics card *	✓	Operating relative humidity (H-H)	8 - 95%
On-board GPU manufacturer	AMD	Storage relative humidity (H-H)	5 - 95%
Discrete graphics card *	✓	Maximum shipping altitude	3048 m
On-board graphics card family	AMD Radeon	<b>Certificates</b>	
On-board graphics card model *	AMD Radeon 610M	Compliance certificates	RoHS
NVIDIA G-SYNC	✓	Certification	RoHS
AMD FreeSync	✓	<b>Sustainability</b>	
<b>Audio</b>		Sustainability certificates	ErP
Audio chip	Realtek ALC3306	<b>Weight &amp; dimensions</b>	
Audio system	Nahimic Audio	Width	363.4 mm
Number of built-in speakers	2	Depth	263.6 mm
Speakers manufacturer	Harman Kardon	Height (front)	2.2 cm
Speaker power	2 W	Height (rear)	2.59 cm
Built-in microphone	✓	Weight *	2.8 kg
Number of microphones	2	<b>Packaging content</b>	
<b>Camera</b>		AC adapter included *	✓
Front camera	✓	<b>Technical details</b>	
Front camera resolution	1920 x 1080 pixels	Box contents	4 Switchable Keycaps and Easy Tool
Front camera HD type	Full HD		
Privacy camera	✓		



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