



**Lenovo Legion Pro 7, Intel Core i9-13900HX (36MB Cache), 32GB DDR5-SDRAM, 1000GB SSD, 40.6 cm (16") WQXGA 2560 x 1600 IPS, Intel UHD Graphics, NVIDIA GeForce RTX 4080 (12GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home 64-bit**

**Brand :** Lenovo

**Product family:** Legion

**Product code:** 82WQ000XUK



**Product name :** Legion Pro 7, Intel Core i9-13900HX (36MB Cache), 32GB DDR5-SDRAM, 1000GB SSD, 40.6 cm (16") WQXGA 2560 x 1600 IPS, Intel UHD Graphics, NVIDIA GeForce RTX 4080 (12GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home 64-bit

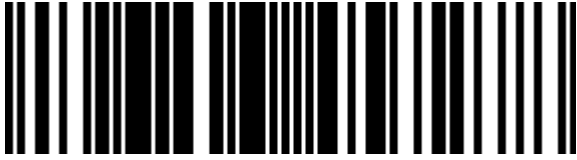


- Windows 11 Home 64-bit
  - Intel Core i9-13900HX (36MB Cache)
  - 40.6 cm (16") WQXGA 2560 x 1600 IPS, NVIDIA GeForce RTX 4080 (12GB GDDR6)
  - 32GB (5600MHz) DDR5-SDRAM (2 x 16) & 1000GB SSD
- Intel Core i9-13900HX (36MB Cache), 32GB DDR5-SDRAM, 1000GB SSD, 40.6 cm (16") WQXGA 2560 x 1600 IPS, Intel UHD Graphics, NVIDIA GeForce RTX 4080 (12GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home 64-bit



Design		Network	
Colour name	Onyx grey	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Product type *	Laptop	Mobile network connection *	✗
Product colour *	Grey	Antenna type	2x2
Form factor *	Clamshell	Ethernet LAN	✓
Housing material	Aluminium	Ethernet LAN data rates	100,1000 Mbit/s
Display		Bluetooth	✓
Display diagonal *	40.6 cm (16")	Bluetooth version	5.1
Display resolution *	2560 x 1600 pixels	WWAN	Not installed
Touchscreen *	✗	Ports & interfaces	
HD type	WQXGA	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4
Panel type	IPS	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
LED backlight	✓	Ethernet LAN (RJ-45) ports	1
Native aspect ratio	16:10	HDMI ports quantity *	1
Anti-glare screen	✓	Thunderbolt 4 ports quantity	1
Display brightness	500 cd/m <sup>2</sup>	Intel® Thunderbolt 4	✓
RGB colour space	sRGB	Combo headphone/mic port	✓
Colour gamut	100%	USB Type-C DisplayPort Alternate Mode	✓
Maximum refresh rate	240 Hz	USB Power Delivery	✓
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	Intel HM770
Processor manufacturer *	Intel	Keyboard	
Processor family *	Intel® Core™ i9	Pointing device	Touchpad
Processor generation	13th gen Intel® Core™ i9	Keyboard language	UK English
Processor model *	i9-13900HX		
Processor cores	24		

<b>Processor</b>		<b>Keyboard</b>	
Processor boost frequency	5.4 GHz	Numeric keypad *	✓
Efficient-core boost frequency	3.9 GHz	Keyboard backlit	✓
Processor cache	36 MB	Keyboard backlit colour	RGB
Processor cache type	Smart Cache	Keyboard backlit zone	Per-key RGB
Bus type	DMI4	<b>Software</b>	
Configurable TDP-down	45 W	Operating system architecture	64-bit
<b>Memory</b>		Operating system language	English
Internal memory *	32 GB	Operating system installed *	Windows 11 Home
Internal memory type	DDR5-SDRAM	<b>Processor special features</b>	
Memory clock speed	5600 MHz	Intel Flex Memory Access	✓
Memory form factor	SO-DIMM	Intel VT-x with Extended Page Tables (EPT)	✓
Memory layout (slots x size)	2 x 16 GB	CPU configuration (max)	1
Memory slots	2x SO-DIMM	Embedded options available	✗
Maximum internal memory *	32 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Memory channels	Dual-channel	Intel Virtualization Technology (VT-x)	✓
<b>Storage</b>		<b>Battery</b>	
Total storage capacity *	1 TB	Battery technology	Lithium Polymer (LiPo)
Storage media *	SSD	Battery capacity *	99.9 Wh
Total SSDs capacity	1 TB	Fast charging	✓
Number of SSDs installed	1	<b>Power</b>	
SSD capacity	1 TB	AC adapter power	330 W
SSD interface	PCI Express 4.0	AC adapter frequency	50 - 60 Hz
NVMe	✓	AC adapter input voltage	100 - 240 V
SSD form factor	M.2	<b>Security</b>	
Optical drive type *	✗	Fingerprint reader	✗
Card reader integrated	✗	Trusted Platform Module (TPM)	✓
<b>Graphics</b>		Trusted Platform Module (TPM) version	2.0
Discrete GPU manufacturer	NVIDIA	Password protection	✓
Discrete graphics card model *	NVIDIA GeForce RTX 4080	Password protection type	BIOS, HDD, Power on, Supervisor
Discrete graphics card memory	12 GB	<b>Operational conditions</b>	
Discrete graphics memory type	GDDR6	Operating temperature (T-T)	5 - 35 °C
On-board graphics card *	✓	Storage temperature (T-T)	5 - 43 °C
On-board GPU manufacturer	Intel	Operating relative humidity (H-H)	8 - 95%
Discrete graphics card *	✓	Storage relative humidity (H-H)	5 - 95%
On-board graphics card model *	Intel® UHD Graphics	Maximum shipping altitude	3048 m
<b>Audio</b>		<b>Certificates</b>	
Audio chip	Realtek ALC3306	Certification	TÜV Rheinland® High Gaming Performance TÜV Rheinland Low Blue Light (Hardware Solution)
Audio system	Nahimic Audio	<b>Sustainability</b>	
Number of built-in speakers	2	Sustainability certificates	ErP, RoHS
Speakers manufacturer	Harman Kardon	<b>Weight &amp; dimensions</b>	
Speaker power	2 W	Width	363.4 mm
Built-in microphone	✓	Depth	262.1 mm
Number of microphones	2	Height (front)	2.19 cm
<b>Camera</b>		Height (rear)	2.59 cm
Front camera	✓	Weight *	2.8 g
Front camera resolution	1920 x 1080 pixels	<b>Network</b>	
Front camera HD type	Full HD	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Privacy camera	✓		



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