



# Acer Predator Helios Neo 16 Helios Neo16 PHN16-71 16" Gaming Laptop

**Brand :** Acer

**Product family:** Predator

**Product code:** NH.QLVEK.00C

**Product name :** Predator Helios Neo16 PHN16-71 16" Gaming Laptop



- Windows 11 Home 64-bit
- Intel Core i9-13900HX
- 40.6 cm (16") WQXGA 2560 x 1600, NVIDIA GeForce RTX 4070 (8GB GDDR6)
- 16GB DDR5-SDRAM & 1024GB SSD

Acer Predator Helios Neo16 PHN16-71 16" Gaming Laptop, i9 13900HX, 16GB DDR5, 1TB NVMe SSD, GeForce RTX 4070, WQXGA 165Hz IPS, Windows 11 Home

Acer Predator Helios Neo 16 Helios Neo16 PHN16-71 16" Gaming Laptop. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i9, Processor model: i9-13900HX. Display diagonal: 40.6 cm (16"), HD type: WQXGA, Display resolution: 2560 x 1600 pixels. Internal memory: 16 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics, Discrete graphics card model: NVIDIA GeForce RTX 4070. Operating system installed: Windows 11 Home. Product colour: Black

Design		Camera	
Colour name	Obsidian Black	Front camera	✓
Product type *	Laptop	Front camera resolution	1280 x 720 pixels
Product colour *	Black	Front camera HD type	HD
Form factor *	Clamshell	Network	
Market positioning	Gaming	Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Display		Wi-Fi standards	Wi-Fi 6 (802.11ax)
Display diagonal *	40.6 cm (16")	Mobile network connection *	✗
Display resolution *	2560 x 1600 pixels	Ethernet LAN	✓
Touchscreen *	✗	Ethernet LAN data rates	10,100,1000 Mbit/s
HD type	WQXGA	Bluetooth	✓
LED backlight	✓	Bluetooth version	5.1
Native aspect ratio	16:10	Ports & interfaces	
Display diagonal (metric)	40.6 cm	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Processor		USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Processor manufacturer *	Intel	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2
Processor family *	Intel® Core™ i9	Ethernet LAN (RJ-45) ports	1
Processor generation	13th gen Intel® Core™ i9	HDMI ports quantity *	1
Processor model *	i9-13900HX	HDMI version	2.1
Processor cores	16	Headphone outputs	1
Performance-core Max Turbo Frequency	5.4 GHz	Combo headphone/mic port	✓
Efficient-core boost frequency	3.9 GHz	Charging port type	DC-in jack
Processor cache	36 MB	USB Type-C DisplayPort Alternate Mode	✓
Processor cache type	Smart Cache	Keyboard	
Bus type	DMI4	Pointing device	Touchpad
Configurable TDP-down	45 W	Numeric keypad *	✓
Memory		Keyboard backlight	✓
Internal memory *	16 GB	Software	
Internal memory type	DDR5-SDRAM	Operating system architecture	64-bit
Memory form factor	SO-DIMM	Operating system installed *	Windows 11 Home
Memory slots	2x SO-DIMM		
Maximum internal memory *	32 GB		

<b>Storage</b>		<b>Processor special features</b>	
Total storage capacity *	1 TB	CPU configuration (max)	1
Storage media *	SSD	<b>Battery</b>	
Total SSDs capacity	1 TB	Battery technology	Lithium-Ion (Li-Ion)
Number of SSDs installed	1	Number of battery cells	4
SSD capacity	1 TB	Battery capacity *	90 Wh
SSD interface	PCI Express	Battery life (max)	8 h
Optical drive type *	✘	<b>Power</b>	
Card reader integrated	✔	AC adapter power	230 W
Compatible memory cards	MicroSD (TransFlash)	<b>Security</b>	
<b>Graphics</b>		Cable lock slot	✔
Discrete graphics card model *	NVIDIA GeForce RTX 4070	Cable lock slot type	Kensington
Discrete graphics card memory	8 GB	Password protection	✔
Discrete graphics memory type	GDDR6	<b>Weight &amp; dimensions</b>	
On-board graphics card *	✔	Width	360.1 mm
On-board GPU manufacturer	Intel	Depth	279.9 mm
Discrete graphics card *	✔	Height (front)	2.66 cm
On-board graphics card model *	Intel® UHD Graphics	Height (rear)	2.83 cm
<b>Audio</b>		Weight *	2.6 kg
Number of built-in speakers	2	<b>Packaging content</b>	
Built-in microphone	✔	Cables included	AC

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