



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: 1.02 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 generation	13th gen Intel® Core™ i9	Ethernet LAN (RJ-45) ports	1
Processor family *	Intel® Core™ i9	HDMI ports quantity *	1
Processor model *	i9-13900HX	HDMI version	2.1
Efficient-core boost frequency	3.9 GHz	Combo headphone/mic port	✓
Performance-core Max Turbo Frequency	5.4 GHz	Charging port type	DC-in jack
Processor cores	16	USB Type-C DisplayPort Alternate Mode	✓
Processor cache	36 MB	Keyboard	
Processor cache type	Smart Cache	Pointing device	Touchpad
Bus type	DMI4	Numeric keypad *	✓
Configurable TDP-down	45 W	Keyboard backlight	✓
Memory		Software	
Internal memory *	16 GB	Operating system architecture	64-bit
Internal memory type	DDR5-SDRAM	Operating system installed *	Windows 11 Home
Maximum internal memory *	32 GB		
Storage			
Total storage capacity *	1.02 TB		

Storage		Processor special features	
Storage media *	SSD	CPU configuration (max)	1
Total SSDs capacity	1.02 TB	Battery	
Number of SSDs installed	1	Battery technology	Lithium-Ion (Li-Ion)
SSD capacity	1.02 TB	Number of battery cells	4
SSD interface	PCI Express	Battery capacity *	90 Wh
Optical drive type *	✗	Battery life (max)	8 h
Card reader integrated	✓	Power	
Compatible memory cards	MicroSD (TransFlash)	AC adapter power	230 W
Graphics		Security	
Discrete graphics card model *	NVIDIA GeForce RTX 4070	Cable lock slot	✓
On-board graphics card *	✓	Cable lock slot type	Kensington
Discrete graphics card *	✓	Weight & dimensions	
On-board graphics card model *	Intel® UHD Graphics	Width	360.1 mm
Discrete graphics card memory	8 GB	Depth	279.9 mm
Discrete graphics memory type	GDDR6	Height (front)	2.66 cm
Audio		Height (rear)	2.83 cm
Number of built-in speakers	2	Weight *	2.6 kg
Built-in microphone	✓	Packaging content	
		Cables included	AC

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