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	
Colour name	Obsidian Black
Product type *	Laptop
Product colour *	Black
Form factor *	Clamshell
Market positioning	Gaming

Display	
Display diagonal *	40.6 cm (16")
Display resolution *	2560 x 1600 pixels
Touchscreen *	✗
HD type	WQXGA
LED backlight	✓
Native aspect ratio	16:10
Display diagonal (metric)	40.6 cm

Processor	
Processor manufacturer *	Intel
Processor family *	Intel® Core™ i9
Processor generation	13th gen Intel® Core™ i9
Processor model *	i9-13900HX
Processor cores	16
Performance-core Max Turbo Frequency	5.4 GHz
Efficient-core boost frequency	3.9 GHz
Processor cache	36 MB
Processor cache type	Smart Cache
Bus type	DMI4
Configurable TDP-down	45 W

Memory	
Internal memory *	16 GB
Internal memory type	DDR5-SDRAM
Memory form factor	SO-DIMM
Memory slots	2x SO-DIMM
Maximum internal memory *	32 GB

Camera	
Front camera	✓
Front camera resolution	1280 x 720 pixels
Front camera HD type	HD

Network	
Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Wi-Fi standards	Wi-Fi 6 (802.11ax)
Mobile network connection *	✗
Ethernet LAN	✓
Ethernet LAN data rates	10,100,1000 Mbit/s
Bluetooth	✓
Bluetooth version	5.1

Ports & interfaces	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity *	1
HDMI version	2.1
Headphone outputs	1
Combo headphone/mic port	✓
Charging port type	DC-in jack
USB Type-C DisplayPort Alternate Mode	✓

Keyboard	
Pointing device	Touchpad
Numeric keypad *	✓
Keyboard backlit	✓

Software	
Operating system architecture	64-bit
Operating system installed *	Windows 11 Home

Storage	
Total storage capacity *	1 TB
Storage media *	SSD
Total SSDs capacity	1 TB
Number of SSDs installed	1
SSD capacity	1 TB
SSD interface	PCI Express
Optical drive type *	✗
Card reader integrated	✓
Compatible memory cards	MicroSD (TransFlash)

Graphics	
Discrete graphics card model *	NVIDIA GeForce RTX 4070
Discrete graphics card memory	8 GB
Discrete graphics memory type	GDDR6
On-board graphics card *	✓
On-board GPU manufacturer	Intel
Discrete graphics card *	✓
On-board graphics card model *	Intel® UHD Graphics

Audio	
Number of built-in speakers	2
Built-in microphone	✓

Processor special features	
CPU configuration (max)	1

Battery	
Battery technology	Lithium-Ion (Li-Ion)
Number of battery cells	4
Battery capacity *	90 Wh
Battery life (max)	8 h

Power	
AC adapter power	230 W

Security	
Cable lock slot	✓
Cable lock slot type	Kensington
Password protection	✓

Weight & dimensions	
Width	360.1 mm
Depth	279.9 mm
Height (front)	2.65 cm
Height (rear)	2.83 cm
Weight *	2.6 kg

Packaging content	
Cables included	AC

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