



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

Brand : Acer

Product family: Predator

Product code: NH.QLVEK.00D

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



- Windows 11 Home 64-bit
- Intel Core i7-13700HX
- 40.6 cm (16") WQXGA 2560 x 1600, NVIDIA GeForce RTX 4070 (8GB GDDR6)
- 16GB DDR5-SDRAM & 1024GB SSD

Predator Helios Neo 16 PHN16-71 - Intel Core i7-13700HX, Nvidia RTX 4070, 16GB, 1TB SSD, 16" 165Hz WQXGA, Win 11, Black

Acer Predator Helios Neo 16 Helios Neo16 PHN16-71 16" Gaming Laptop. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-13700HX, Processor frequency: 2.1 GHz. 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. Operating system installed: Windows 11 Home. Product colour: Black

Design		Graphics	
Colour name	Obsidian Black	Discrete graphics card *	✓
Product type *	Laptop	On-board graphics card model *	Intel® UHD Graphics
Product colour *	Black	Audio	
Form factor *	Clamshell	Number of built-in speakers	2
Market positioning	Gaming	Built-in microphone	✓
Display		Camera	
Display diagonal *	40.6 cm (16")	Front camera	✓
Display resolution *	2560 x 1600 pixels	Front camera resolution	1280 x 720 pixels
Touchscreen *	✗	Front camera HD type	HD
HD type	WQXGA	Network	
LED backlight	✓	Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Native aspect ratio	16:10	Wi-Fi standards	Wi-Fi 6 (802.11ax)
Display diagonal (metric)	40.6 cm	Mobile network connection *	✗
RGB colour space	sRGB	Ethernet LAN	✓
Colour gamut	100%	Ethernet LAN data rates	10,100,1000 Mbit/s
Maximum refresh rate	165 Hz	Bluetooth	✓
Processor		Bluetooth version	5.1
Processor manufacturer *	Intel	Ports & interfaces	
Processor family *	Intel® Core™ i7	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Processor generation	13th gen Intel® Core™ i7	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Processor model *	i7-13700HX	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2
Processor cores	16	Ethernet LAN (RJ-45) ports	1
Processor frequency *	2.1 GHz	HDMI ports quantity *	1
Performance cores	8	HDMI version	2.1
Efficient cores	8	Headphone outputs	1
Performance-core Max Turbo Frequency	5 GHz	Combo headphone/mic port	✓
Efficient-core boost frequency	3.7 GHz	Charging port type	DC-in jack
Processor cache	30 MB	USB Type-C DisplayPort Alternate Mode	✓
Processor cache type	Smart Cache		
Bus type	DMI4		
Configurable TDP-down	45 W		
Processor base power	55 W		

Processor		Keyboard	
Maximum turbo power	157 W	Pointing device	Touchpad
Memory		Numeric keypad *	✓
Internal memory *	16 GB	Keyboard backlit	✓
Internal memory type	DDR5-SDRAM	Software	
Memory form factor	SO-DIMM	Operating system architecture	64-bit
Memory slots	2x SO-DIMM	Operating system installed *	Windows 11 Home
Maximum internal memory *	32 GB	Processor special features	
Storage		CPU configuration (max)	1
Total storage capacity *	1 TB	Battery	
Storage media *	SSD	Battery technology	Lithium-Ion (Li-Ion)
Total SSDs capacity	1 TB	Number of battery cells	4
Number of SSDs installed	1	Battery capacity *	90 Wh
SSD capacity	1 TB	Battery life (max)	8 h
SSD interface	PCI Express	Power	
NVMe	✓	AC adapter power	330 W
SSD form factor	M.2	Security	
Optical drive type *	✗	Cable lock slot	✓
Card reader integrated	✓	Cable lock slot type	Kensington
Compatible memory cards	MicroSD (TransFlash)	Password protection	✓
Graphics		Weight & dimensions	
Discrete graphics card model *	NVIDIA GeForce RTX 4070	Width	360.1 mm
Discrete graphics card memory	8 GB	Depth	279.9 mm
Discrete graphics memory type	GDDR6	Height (front)	2.66 cm
On-board graphics card *	✓	Height (rear)	2.83 cm
On-board GPU manufacturer	Intel	Weight *	2.6 kg
		Packaging content	
		Cables included	AC



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