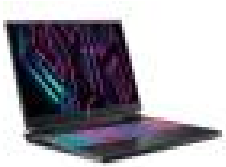
Acer Predator Helios Neo 16 PHN16-71 I7-13700HX 16GB/1TB 4060 Intel® Core™ i7 Laptop 40.6 cm (16") WQXGA DDR5-SDRAM SSD NVIDIA GeForce RTX 4060 Wi-Fi 6 (802.11ax) Windows 11 Home Black



Brand : Acer **Product family:** Predator **Product code:** NH.QLUEK.00A

Product name : PHN16-71 I7-13700HX 16GB/1TB 4060

16" IPS-LCD, LED, 2560x1600 WQXGA, 165Hz, 16:10, Intel Core i7-13700HX, 2.1GHz, 16GB DDR5 SDRAM, 1TB SSD M.2, PCIe, NVMe, Nvidia GeForce RTX 4060 8GB GDDR6, MicroSD, Wi-Fi 6, 1Gbps LAN, 1x HDMI, 1x USB 3.2 Gen.1 Type-A, 1x USB 3.2 Gen.1 Type-C, 2x USB 3.2 Gen.2 Type-A, 2x USB 3.2 Gen.2 Type-C, 1x RJ45, 90Wh Li-Ion, 330W, 2.6kg, Windows 11 Home
Acer Predator Helios Neo 16 PHN16-71 I7-13700HX 16GB/1TB 4060. 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	
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
Panel type	IPS
Display technology marketing name	ComfyView
Native aspect ratio	16:10
Display surface	Matt
Maximum refresh rate	165 Hz

Processor	
Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	13th gen Intel® Core™ i7
Processor model *	i7-13700HX
Processor cores	16
Processor frequency *	2.1 GHz
Performance cores	8
Efficient cores	8
Performance-core Max Turbo Frequency	5 GHz
Efficient-core Max Turbo Frequency	3.7 GHz
Processor cache	30 MB
Processor cache type	Smart Cache
Processor base power	55 W
Maximum turbo power	157 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

Graphics	
Discrete graphics card model *	NVIDIA GeForce RTX 4060
Discrete graphics card memory	8 GB
Discrete graphics memory type	GDDR6
On-board graphics card *	✓
Discrete graphics card *	✓
On-board graphics card model *	Intel® UHD Graphics

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

Camera	
Front camera	✓

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

Ports & interfaces	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
USB 3.2 Gen 1 (3.1 Gen 1) Type-C 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
Headphone outputs	1
Combo headphone/mic port	✓
Charging port type	DC-in jack

Keyboard	
Pointing device	Touchpad
Numeric keypad *	✓
Keyboard backlit	✓
Keyboard backlit colour	RGB

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
NVMe	✓
SSD form factor	M.2
Optical drive type *	✗
Card reader integrated	✓
Compatible memory cards	MicroSD (TransFlash)

Graphics	
Discrete GPU manufacturer	NVIDIA

Software	
Operating system installed *	Windows 11 Home

Battery	
Battery technology	Lithium-Ion (Li-Ion)
Battery capacity *	90 Wh
Battery life (max)	8 h

Power	
AC adapter power	330 W

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

Weight & dimensions	
Weight *	2.6 kg

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