



Acer Predator Helios Neo 16 PHN16-71-7647 Intel® Core™ i7 i7-13650HX Laptop 40.6 cm (16") WQXGA 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4060 Wi-Fi 6 (802.11ax) Windows 11 Home Black

Brand : Acer

Product family: Predator

Product code: NH.QLUEK.00C

Product name :
PHN16-71-7647



- Windows 11 Home 64-bit

- Intel Core i7-13650HX (24MB Cache)

- 40.6 cm (16") WQXGA 2560 x 1600 IPS, NVIDIA GeForce RTX 4060 (8GB GDDR6)

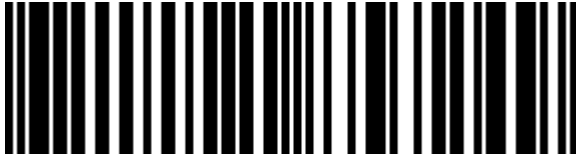
- 16GB DDR5-SDRAM & 1000GB SSD

Intel Core i7-13650HX (24MB Cache), 16GB DDR5-SDRAM, 1000GB SSD, 40.6 cm (16") WQXGA 2560 x 1600 IPS, Intel UHD Graphics, NVIDIA GeForce RTX 4060 (8GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home 64-bit

Acer Predator Helios Neo 16 PHN16-71-7647. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-13650HX. 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 4060. Operating system installed: Windows 11 Home. Product colour: Black

Design		Graphics	
Colour name	Obsidian Black	On-board graphics card model *	Intel® UHD Graphics
Product type *	Laptop	Audio	
Product colour *	Black	Number of built-in speakers	2
Form factor *	Clamshell	Built-in microphone	✓
Market positioning	Gaming	Camera	
Display		Front camera	✓
Display diagonal *	40.6 cm (16")	Front camera resolution	1280 x 720 pixels
Display resolution *	2560 x 1600 pixels	Front camera HD type	HD
Touchscreen *	✗	Network	
HD type	WQXGA	Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Panel type	IPS	Wi-Fi standards	Wi-Fi 6 (802.11ax)
Display technology marketing name	ComfyView	Mobile network connection *	✗
LED backlight	✓	Antenna type	2x2
Native aspect ratio	16:10	WLAN controller model	Killer Wireless-AX 1650i
Display surface	Matt	WLAN controller manufacturer	Killer
Processor		Ethernet LAN	✓
Processor manufacturer *	Intel	Ethernet LAN data rates	10,100,1000 Mbit/s
Processor family *	Intel® Core™ i7	Bluetooth	✓
Processor generation	13th gen Intel® Core™ i7	Ports & interfaces	
Processor model *	i7-13650HX	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Processor cores	14	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Processor threads	20	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2
Processor boost frequency	4.9 GHz	Ethernet LAN (RJ-45) ports	1
Performance cores	6	HDMI ports quantity *	1
Efficient cores	8	HDMI version	2.1
Performance-core Max Turbo Frequency	4.9 GHz	Combo headphone/mic port	✓
Efficient-core Max Turbo Frequency	3.6 GHz	Charging port type	DC-in jack
Processor cache	24 MB	USB Type-C DisplayPort Alternate Mode	✓
Processor cache type	Smart Cache		
Processor base power	55 W		
Maximum turbo power	157 W		

Memory		Keyboard	
Internal memory *	16 GB	Pointing device	Touchpad
Internal memory type	DDR5-SDRAM	Numeric keypad *	✓
Maximum internal memory *	32 GB	Keyboard backlit	✓
Storage		Software	
Total storage capacity *	1 TB	Operating system architecture	64-bit
Storage media *	SSD	Operating system installed *	Windows 11 Home
Total SSDs capacity	1 TB	Battery	
Number of SSDs installed	1	Battery technology	Lithium-Ion (Li-Ion)
SSD capacity	1 TB	Number of battery cells	4
SSD interface	PCI Express	Battery capacity *	90 Wh
NVMe	✓	Battery life (max)	8 h
SSD form factor	M.2	Power	
Optical drive type *	✗	AC adapter power	330 W
Card reader integrated	✓	Security	
Compatible memory cards	MicroSD (TransFlash)	Cable lock slot	✓
Graphics		Cable lock slot type	Kensington
Discrete graphics card model *	NVIDIA GeForce RTX 4060	Trusted Platform Module (TPM)	✓
Discrete graphics card memory	8 GB	Password protection	✓
Discrete graphics memory type	GDDR6	Password protection type	BIOS, HDD, Supervisor, User
On-board graphics card *	✓	Weight & dimensions	
On-board GPU manufacturer	Intel	Width	360.1 mm
Discrete graphics card *	✓	Depth	279.9 mm
On-board graphics card family	Intel® UHD Graphics	Height (front)	2.65 cm
		Height (rear)	2.83 cm
		Weight *	2.6 kg
		Packaging content	
		Cables included	AC



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