



Acer Predator Helios Neo 16 PHN16-72 Intel® Core™ i9 i9-14900HX Laptop 40.6 cm (16") WQXGA 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4070 Wi-Fi 6 (802.11ax) Windows 11 Home Black

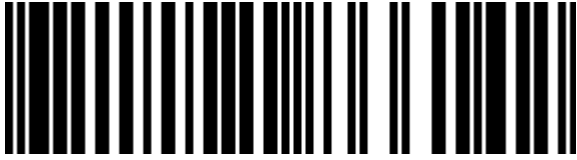
Brand : Acer **Product family:** Predator **Product code:** NH.QNMEK.002
Product name : PHN16-72



- Windows 11 Home 64-bit
 - Intel Core i9-14900HX (36MB Cache)
 - 40.6 cm (16") WQXGA 2560 x 1600 IPS, NVIDIA GeForce RTX 4070 (8GB GDDR6)
 - 16GB DDR5-SDRAM & 1000GB SSD
 Intel Core i9-14900HX (36MB Cache), 16GB DDR5-SDRAM, 1000GB SSD, 40.6 cm (16") WQXGA 2560 x 1600 IPS, Intel UHD Graphics, NVIDIA GeForce RTX 4070 (8GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home 64-bit
 Acer Predator Helios Neo 16 PHN16-72. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i9, Processor model: i9-14900HX. 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		Graphics	
Product type *	Laptop	Discrete graphics card *	✓
Product colour *	Black	On-board graphics card family	Intel® UHD Graphics
Form factor *	Clamshell	On-board graphics card model *	Intel® UHD Graphics
Market positioning	Gaming	Audio	
Display		Audio system	DTS:X Ultra
Display diagonal *	40.6 cm (16")	Built-in microphone	✓
Display resolution *	2560 x 1600 pixels	Camera	
Touchscreen *	✗	Front camera	✓
HD type	WQXGA	Network	
Panel type	IPS	Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
LED backlight	✓	Wi-Fi standards	Wi-Fi 6 (802.11ax)
Native aspect ratio	16:10	Mobile network connection *	✗
Processor		Antenna type	2x2
Processor manufacturer *	Intel	Ethernet LAN	✓
Processor family *	Intel® Core™ i9	Ethernet LAN data rates	10,100,1000,2500 Mbit/s
Processor generation	Intel Core i9-14xxx	Bluetooth	✓
Processor model *	i9-14900HX	Ports & interfaces	
Processor cores	24	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Processor threads	32	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Processor boost frequency	5.8 GHz	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2
Performance cores	8	Ethernet LAN (RJ-45) ports	1
Efficient cores	16	HDMI ports quantity *	1
Performance-core Max Turbo Frequency	5.8 GHz	Combo headphone/mic port	✓
Efficient-core Max Turbo Frequency	4.1 GHz	Charging port type	DC-in jack
Performance-core base frequency	2.2 GHz	Keyboard	
Efficient-core base frequency	1.6 GHz	Pointing device	Touchpad
Processor cache	36 MB	Numeric keypad *	✓
Processor cache type	Smart Cache	Keyboard backlit	✓
Processor base power	55 W		
Maximum turbo power	157 W		

Memory		Keyboard	
Internal memory *	16 GB	Keyboard backlit colour	RGB
Internal memory type	DDR5-SDRAM	Keyboard backlit zone	4-zone RGB
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	Battery capacity *	90 Wh
Optical drive type *	✗	Security	
Graphics		Cable lock slot	✓
Discrete graphics card model *	NVIDIA GeForce RTX 4070	Cable lock slot type	Kensington
Discrete graphics card memory	8 GB	Trusted Platform Module (TPM)	✓
Discrete graphics memory type	GDDR6	Certificates	
On-board graphics card *	✓	Certification	CB, CE, DoC
On-board GPU manufacturer	Intel	Weight & dimensions	
		Width	357.7 mm
		Depth	278.6 mm
		Height	25.9 mm
		Weight *	2.8 kg



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