



Acer Predator Helios Neo 16 PHN16-72-76KW Intel® Core™ i7 i7-14650HX Laptop 40.6 cm (16") WQXGA 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4060 Wi-Fi 6E (802.11ax) Windows 11 Home Black

Brand : Acer

Product family: Predator

Product code: NH.QNNEK.001

Product name :
PHN16-72-76KW



- Windows 11 Home 64-bit
- Intel Core i7-14650HX (30MB Cache)
- 40.6 cm (16") WQXGA 2560 x 1600 IPS, NVIDIA GeForce RTX 4060 (8GB GDDR6)
- 16GB DDR5-SDRAM & 1000GB SSD

Intel Core i7-14650HX (30MB 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 PHN16-72-76KW. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-14650HX. 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	
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 6E (802.11ax)
Display technology marketing name	ComfyView	Wi-Fi standards	Wi-Fi 6E (802.11ax)
LED backlight	✓	Mobile network connection *	✗
Native aspect ratio	16:10	Antenna type	2x2
Display surface	Matt	WLAN controller model	Killer Wi-Fi 6E 1675i
Maximum refresh rate	165 Hz	WLAN controller manufacturer	Killer
Processor		Ethernet LAN	✓
Processor manufacturer *	Intel	Ethernet LAN data rates	10,100,1000,2500 Mbit/s
Processor family *	Intel® Core™ i7	Bluetooth	✓
Processor generation	Intel® Core™ i7 (14th gen)	Ports & interfaces	
Processor model *	i7-14650HX	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Processor cores	16	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Processor threads	24	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2
Processor boost frequency	5.2 GHz	Ethernet LAN (RJ-45) ports	1
Performance cores	8	HDMI ports quantity *	1
Efficient cores	8	Combo headphone/mic port	✓
Performance-core Max Turbo Frequency	5.2 GHz	Charging port type	DC-in jack
Efficient-core Max Turbo Frequency	3.7 GHz	Keyboard	
Performance-core base frequency	2.2 GHz	Pointing device	Touchpad
Efficient-core base frequency	1.6 GHz		
Processor cache	30 MB		
Processor cache type	Smart Cache		

Processor		Keyboard	
Processor base power	55 W	Numeric keypad *	✓
Maximum turbo power	157 W	Keyboard backlit	✓
Memory		Keyboard backlit colour	RGB
Internal memory *	16 GB	Keyboard backlit zone	4-zone RGB
Internal memory type	DDR5-SDRAM	Software	
Storage		Operating system architecture	64-bit
Total storage capacity *	1 TB	Operating system installed *	Windows 11 Home
Storage media *	SSD	Battery	
Total SSDs capacity	1 TB	Battery technology	Lithium-Ion (Li-Ion)
Number of SSDs installed	1	Battery capacity *	90 Wh
SSD capacity	1 TB	Battery life (max)	6 h
SSD interface	PCI Express	Power	
NVMe	✓	AC adapter power	330 W
SSD form factor	M.2	Security	
Optical drive type *	✗	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	Certificates	
Discrete graphics memory type	GDDR6	Certification	CB, CE, DoC
On-board graphics card *	✓	Weight & dimensions	
On-board GPU manufacturer	Intel	Width	357.7 mm
		Depth	278.6 mm
		Height	25.9 mm
		Weight *	2.8 kg
		Packaging content	
		Cables included	AC



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