



Acer Predator Helios Neo 18 PHN18-71-94B3 Intel® Core™ i9 i9-14900HX Laptop 45.7 cm (18") WQXGA 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4070 Wi-Fi 6E (802.11ax) Windows 11 Home Black



Brand : Acer

Product family: Predator

Product code: NH.QR5EH.001

Product name :
PHN18-71-94B3

Acer Predator Helios Neo 18 PHN18-71-94B3. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i9, Processor model: i9-14900HX, Processor frequency: 2.2 GHz. Display diagonal: 45.7 cm (18"), HD type: WQXGA, Display resolution: 2560 x 1600 pixels. Internal memory: 32 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	Abyssal 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 *	45.7 cm (18")	Front camera	✓
Display resolution *	2560 x 1600 pixels	Network	
Touchscreen *	✗	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
HD type	WQXGA	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Panel type	IPS	Mobile network connection *	✗
Native aspect ratio	16:10	Antenna type	2x2
Display diagonal (metric)	45.7 cm	WLAN controller manufacturer	Killer
Maximum refresh rate	165 Hz	Ethernet LAN	✓
Processor		Ethernet LAN data rates	10,100,1000 Mbit/s
Processor manufacturer *	Intel	Bluetooth	✓
Processor family *	Intel® Core™ i9	Ports & interfaces	
Processor generation	Intel® Core™ i9 (14th gen)	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Processor model *	i9-14900HX	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Processor cores	24	Ethernet LAN (RJ-45) ports	1
Processor boost frequency	5.8 GHz	HDMI ports quantity *	1
Processor frequency *	2.2 GHz	HDMI version	2.1
Processor cache	36 MB	Combo headphone/mic port	✓
Processor cache type	L3	Charging port type	DC-in jack
Memory		Keyboard	
Internal memory *	32 GB	Pointing device	Touchpad
Internal memory type	DDR5-SDRAM	Keyboard layout	AZERTY
Memory clock speed	5600 MHz	Numeric keypad *	✓
Memory slots	2x SO-DIMM	Keyboard backlit	✓
Storage		Keyboard backlit colour	RGB
Total storage capacity *	1 TB	Software	
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
SSD interface	PCI Express		
NVMe	✓		
Self-Encrypting Drive (SED)	✓		
Optical drive type *	✗		

Storage		Power	
Card reader integrated	✓	AC adapter power	330 W
Compatible memory cards	MicroSD (TransFlash)	Security	
Graphics		Cable lock slot	✓
Discrete graphics card model *	NVIDIA GeForce RTX 4070	Cable lock slot type	Kensington
Discrete graphics card memory	8 GB	Weight & dimensions	
Discrete graphics memory type	GDDR6	Width	404 mm
On-board graphics card *	✓	Depth	311.6 mm
		Height (front)	2.69 cm
		Height (rear)	2.89 cm
		Weight *	3.4 kg



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