



Acer Predator Helios Neo 18 AI (PHN18-72) Intel Ultra 9, 32GB, 2TB SSD, RTX5070Ti, 18" WQXGA, Windows 11 Gaming Notebook

Brand : Acer **Product family:** Predator **Product code:** NH.QVLEK.005

Product name : Predator Helios Neo 18 AI (PHN18-72) Intel Ultra 9, 32GB, 2TB SSD, RTX5070Ti, 18" WQXGA, Windows 11 Gaming Notebook



Acer Predator Helios Neo 18 AI (PHN18-72) Intel Ultra 9, 32GB, 2TB SSD, RTX5070Ti, 18" WQXGA, Windows 11 Gaming Notebook. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 9, Processor model: 275HX, Processor frequency: 2.7 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: 2 TB, Storage media: SSD. Discrete graphics card model: NVIDIA GeForce RTX 5070 Ti. Operating system installed: Windows 11 Home. Product colour: Black



Design		Audio	
Product type *	Laptop	Number of built-in speakers	2
Product colour *	Black	Built-in microphone	✓
Form factor *	Clamshell	Number of microphones	3
Market positioning	Gaming	Camera	
Display		Front camera	✓
Display diagonal *	45.7 cm (18")	Front camera resolution	1920 x 1080 pixels
Display resolution *	2560 x 1600 pixels	Front camera HD type	Full HD
Touchscreen *	✗	Infrared (IR) 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	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax), Wi-Fi 6E (802.11ax)
Native aspect ratio	16:10	Wi-Fi band	Tri-band (2.4 GHz / 5 GHz / 6 GHz)
Display surface	Matt	Ethernet LAN	✓
Display brightness	1000 cd/m²	Bluetooth	✓
RGB colour space	DCI-P3	Bluetooth version	5.4
Colour gamut	100%	Ports & interfaces	
Maximum refresh rate	250 Hz	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Processor		USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Processor manufacturer *	Intel	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2
Processor family *	Intel Core Ultra 9	Ethernet LAN (RJ-45) ports	1
Processor model *	275HX	HDMI ports quantity *	1
Processor cores	24	Combo headphone/mic port	✓
Processor threads	24	Neural processor unit (NPU)	
Processor boost frequency	5.4 GHz		
Processor frequency *	2.7 GHz		
Processor cache	36 MB		

Neural processor unit (NPU)		Keyboard	
Neural processor unit (NPU)	Intel AI Boost	Pointing device	Touchpad
NPU performance up to	13 TOPs	Numeric keypad *	✓
Memory		Keyboard backlit	✓
Internal memory *	32 GB	Keyboard backlit colour	RGB
Internal memory type	DDR5-SDRAM	Keyboard backlit zone	Per-key RGB
Memory clock speed	6400 MHz	Copilot key	✓
Memory layout (slots x size)	2 x 16 GB	Software	
Maximum internal memory *	32 GB	Operating system installed *	Windows 11 Home
Storage		Battery	
Total storage capacity *	2 TB	Battery technology	Lithium-Ion (Li-Ion)
Storage media *	SSD	Number of battery cells	4
SSD interface	PCI Express 4.0	Battery capacity *	90 Wh
NVMe	✓	Power	
SSD form factor	M.2	AC adapter power	330 W
Card reader integrated	✓	Security	
Compatible memory cards	MicroSD (TransFlash)	Cable lock slot	✓
Graphics		Cable lock slot type	Kensington
Discrete GPU manufacturer	NVIDIA	Trusted Platform Module (TPM)	✓
Discrete graphics card model *	NVIDIA GeForce RTX 5070 Ti	Weight & dimensions	
Discrete graphics card memory	12 GB	Width	401 mm
Discrete graphics memory type	GDDR7	Depth	307.9 mm
Discrete graphics card *	✓	Height	28 mm
NVIDIA G-SYNC	✓	Weight *	3.3 kg
		Packaging content	
		AC adapter included *	✓

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