



## Acer Predator Helios 18 AI (PH18-73) Intel Ultra 9 275HX, 32GB, 1TB SSD, RTX5080, 18" WQXGA Gaming Notebook

**Brand :** Acer

**Product family:** Predator

**Product code:** NH.QVYEK.002

**Product name :** Predator Helios 18 AI (PH18-73) Intel Ultra 9 275HX, 32GB, 1TB SSD, RTX5080, 18" WQXGA Gaming Notebook



- Windows 11 Home
- Intel Core Ultra 9 275HX (36MB Cache)
- 45.7 cm (18") WQXGA 2560 x 16000 IPS, NVIDIA GeForce RTX 5080 (16GB GDDR7)
- 32GB (4000MHz) DDR5-SDRAM (2 x 16) & 1000GB SSD

Intel Core Ultra 9 275HX (36MB Cache), 32GB DDR5-SDRAM, 1000GB SSD, 45.7 cm (18") WQXGA 2560 x 16000 IPS, Intel Graphics, NVIDIA GeForce RTX 5080 (16GB GDDR7), LAN, WLAN, Webcam, Windows 11 Home

Acer Predator Helios 18 AI (PH18-73) Intel Ultra 9 275HX, 32GB, 1TB SSD, RTX5080, 18" WQXGA Gaming Notebook. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 9, Processor model: 275HX. Display diagonal: 45.7 cm (18"), HD type: WQXGA, Display resolution: 2560 x 16000 pixels. Internal memory: 32 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel Graphics, Discrete graphics card model: NVIDIA GeForce RTX 5080. Operating system installed: Windows 11 Home. Product colour: Black



Design		Graphics	
Product type *	Laptop	On-board graphics card *	✓
Product colour *	Black	On-board GPU manufacturer	Intel
Form factor *	Clamshell	Discrete graphics card *	✓
Market positioning	Gaming	On-board graphics card family	Intel Graphics
Display		On-board graphics card model *	Intel Graphics
Display diagonal *	45.7 cm (18")	NVIDIA Advanced Optimus	✓
Display resolution *	2560 x 16000 pixels	Audio	
Touchscreen *	✗	Number of built-in speakers	6
HD type	WQXGA	Built-in microphone	✓
Panel type	IPS	Number of microphones	3
Display technology marketing name	ComfyView	Camera	
Native aspect ratio	16:10	Front camera	✓
Display surface	Matt	Front camera resolution	1920 x 1080 pixels
Display brightness	1000 cd/m <sup>2</sup>	Front camera HD type	Full HD
RGB colour space	DCI-P3	Infrared (IR) camera	✓
Colour gamut	100%	Network	
Maximum refresh rate	250 Hz	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Processor		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), Wi-Fi 7 (802.11be)	
Processor manufacturer *	Intel	Wi-Fi standards	
Processor family *	Intel Core Ultra 9	Mobile network connection *	✗
Processor generation	Intel Core Ultra (Series 2)	Wi-Fi band	Tri-band (2.4 GHz / 5 GHz / 6 GHz)
Processor model *	275HX	Antenna type	2x2
Processor cores	24	WLAN controller model	Killer Wi-Fi 7 1750x
Processor threads	24	WLAN controller manufacturer	Killer
Processor boost frequency	5.4 GHz	Ethernet LAN	✓
Performance cores	8		
Efficient cores	16		

Processor		Network	
Performance-core Max Turbo Frequency	5.4 GHz	Ethernet LAN data rates	5000 Mbit/s
Efficient-core Max Turbo Frequency	4.6 GHz	Bluetooth	✓
Performance-core base frequency	2.7 GHz	Bluetooth version	5.4
Efficient-core base frequency	2.1 GHz	MIMO	✓
Processor cache	36 MB	MIMO type	Multi User MIMO
Processor base power	55 W	Ports & interfaces	
Maximum turbo power	160 W	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Neural processor unit (NPU)		USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Neural processor unit (NPU)	Intel AI Boost	USB 3.2 Gen 2x2 Type-C ports quantity	2
Sparsity support	✓	Ethernet LAN (RJ-45) ports	1
Windows Studio effects support	✓	HDMI ports quantity *	1
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	HDMI version	2.1
Total processor performance up to	36 TOPs	Combo headphone/mic port	✓
NPU performance up to	13 TOPs	Keyboard	
GPU performance up to	8 TOPs	Pointing device	Touchpad
Memory		Numeric keypad *	✓
Internal memory *	32 GB	Keyboard backlit	✓
Internal memory type	DDR5-SDRAM	Keyboard backlit colour	RGB
Memory clock speed	4000 MHz	Keyboard backlit zone	Per-key RGB
Memory layout (slots x size)	2 x 16 GB	Keyboard layout	QWERTY
Maximum internal memory *	192 GB	Copilot key	✓
Storage		Software	
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	Number of battery cells	4
SSD capacity	1 TB	Battery capacity *	99 Wh
SSD interface	PCI Express 5.0	Power	
NVMe	✓	AC adapter power	400 W
SSD form factor	M.2	Security	
Optical drive type *	✗	Cable lock slot	✓
Card reader integrated	✓	Cable lock slot type	Kensington
Compatible memory cards	SD	Trusted Platform Module (TPM)	✓
Graphics		Password protection	✓
Discrete GPU manufacturer	NVIDIA	Password protection type	BIOS, Supervisor, User
Discrete graphics card model *	NVIDIA GeForce RTX 5080	Weight & dimensions	
Discrete graphics card memory	16 GB	Width	401 mm
Discrete graphics memory type	GDDR7	Depth	307.9 mm
		Height	29.6 mm
		Weight *	3.5 kg
		Packaging data	
		Package width	597 mm
		Package depth	79 mm
		Package height	425 mm
		Package weight	6.81 kg
		Packaging content	
		AC adapter included *	✓



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