



Acer Predator Helios 18 AI (PH18-73) Intel Ultra 9, 192GB, 5TB SSD, RTX5090, 18" WQUXGA, Windows 11 Gaming Notebook

Brand : Acer **Product family:** Predator **Product code:** NH.QVWEK.007

Product name : Predator Helios 18 AI (PH18-73) Intel Ultra 9, 192GB, 5TB SSD, RTX5090, 18" WQUXGA, Windows 11 Gaming Notebook



Acer Predator Helios 18 AI (PH18-73) Intel Ultra 9, 192GB, 5TB SSD, RTX5090, 18" WQUXGA, 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: WQUXGA, Display resolution: 3840 x 2400 pixels. Internal memory: 192 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 5 TB, Storage media: SSD. Discrete graphics card model: NVIDIA GeForce RTX 5090. Operating system installed: Windows 11 Home. Product colour: Black



Design		Audio	
Product type *	Laptop	Built-in microphone	✓
Product colour *	Black	Number of microphones	3
Form factor *	Clamshell	Camera	
Market positioning	Gaming	Front camera	✓
Display		Front camera resolution	1920 x 1080 pixels
Display diagonal *	45.7 cm (18")	Front camera HD type	Full HD
Display resolution *	3840 x 2400 pixels	Video capturing speed	60 fps
Touchscreen *	✗	Infrared (IR) camera	✓
HD type	WQUXGA	Network	
Panel type	IPS	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
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), Wi-Fi 7 (802.11be)
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%	MIMO	✓
Maximum refresh rate	240 Hz	Ports & interfaces	
Processor		USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Processor manufacturer *	Intel	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Processor family *	Intel Core Ultra 9	USB 3.2 Gen 2x2 Type-C ports quantity	2
Processor model *	275HX	Ethernet LAN (RJ-45) ports	1
Processor cores	24	HDMI ports quantity *	1
Processor threads	24		
Processor boost frequency	5.4 GHz		
Processor frequency *	2.7 GHz		
Processor cache	36 MB		
Neural processor unit (NPU)			

Neural processor unit (NPU)		Ports & interfaces	
Neural processor unit (NPU)	Intel AI Boost	HDMI version	2.1
NPU performance up to	13 TOPs	Combo headphone/mic port	✓
Memory		Keyboard	
Internal memory *	192 GB	Pointing device	Touchpad
Internal memory type	DDR5-SDRAM	Keyboard backlit	✓
Memory clock speed	4000 MHz	Keyboard backlit colour	RGB
Memory slots	4x SO-DIMM	Keyboard backlit zone	Per-key RGB
Maximum internal memory *	192 GB	Copilot key	✓
Storage		Software	
Total storage capacity *	5 TB	Operating system installed *	Windows 11 Home
Storage media *	SSD	Battery	
SSD interface	PCI Express 5.0	Battery technology	Lithium-Ion (Li-Ion)
NVMe	✓	Number of battery cells	4
SSD form factor	M.2	Battery capacity *	99 Wh
Card reader integrated	✓	Power	
Compatible memory cards	MicroSD (TransFlash)	AC adapter power	400 W
Graphics		Security	
Discrete GPU manufacturer	NVIDIA	Cable lock slot	✓
Discrete graphics card model *	NVIDIA GeForce RTX 5090	Cable lock slot type	Kensington
Discrete graphics card memory	24 GB	Trusted Platform Module (TPM)	✓
Discrete graphics memory type	GDDR7	Password protection	✓
Discrete graphics card *	✓	Password protection type	BIOS, Supervisor, User
NVIDIA Advanced Optimus	✓	Weight & dimensions	
Audio		Width	401 mm
Number of built-in speakers	6	Depth	307.9 mm
		Height	29.6 mm
		Weight *	3.5 kg
		Packaging content	
		AC adapter included *	✓

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