



Acer Predator Helios Neo 18 AI PHN18-72-97RV Intel Core Ultra 9 275HX Laptop 45.7 cm (18") WQXGA 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5060 Wi-Fi 6E (802.11ax) eShell Black

Brand : Acer

Product family: Predator

Product code: NH.QVJEC.007

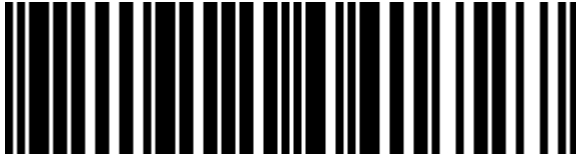
Product name :
PHN18-72-97RV



Acer Predator Helios Neo 18 AI PHN18-72-97RV. 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 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® Graphics, Discrete graphics card model: NVIDIA GeForce RTX 5060. Operating system installed: eShell. Product colour: Black

Design		Storage	
Product type *	Laptop	SSD interface	PCI Express 4.0
Product colour *	Black	NVMe	✓
Form factor *	Clamshell	SSD form factor	M.2
Market positioning	Gaming	Optical drive type *	✗
Original brand name	Acer	Card reader integrated	✓
Display		Compatible memory cards	MicroSD (TransFlash)
Display diagonal *	45.7 cm (18")	Graphics	
Display resolution *	2560 x 1600 pixels	Discrete GPU manufacturer	NVIDIA
Touchscreen *	✗	Discrete graphics card model *	NVIDIA GeForce RTX 5060
HD type	WQXGA	Discrete graphics card memory	8 GB
Panel type	IPS	Discrete graphics memory type	GDDR7
Display technology marketing name	ComfyView	On-board graphics card *	✓
Native aspect ratio	16:10	On-board GPU manufacturer	Intel
Display surface	Matt	Discrete graphics card *	✓
Display diagonal (metric)	45.7 cm	On-board graphics card family	Intel® Graphics
RGB colour space	DCI-P3	On-board graphics card model *	Intel® Graphics
Colour gamut	100%	Audio	
Maximum refresh rate	240 Hz	Number of built-in speakers	2
Processor		Built-in microphone	✓
Processor manufacturer *	Intel	Camera	
Processor family *	Intel Core Ultra 9	Front camera	✓
Processor generation	Intel Core Ultra (Series 2)	Network	
Processor model *	275HX	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Processor cores	24	Mobile network connection *	✗
Processor threads	24	Antenna type	2x2
Processor boost frequency	5.4 GHz	WLAN controller model	Killer Wi-Fi 6E AX1675
Performance cores	8	Ethernet LAN	✓
Efficient cores	16	Ethernet LAN data rates	2500 Mbit/s
Performance-core Max Turbo Frequency	5.4 GHz	Bluetooth	✓
Efficient-core Max Turbo Frequency	4.6 GHz	Bluetooth version	5.4
Performance-core base frequency	2.7 GHz		
Efficient-core base frequency	2.1 GHz		
Processor cache	36 MB		

Processor		Ports & interfaces	
Processor cache type	Smart Cache	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Processor socket	BGA 2114	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Processor base power	55 W	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2
Maximum turbo power	160 W	Ethernet LAN (RJ-45) ports	1
Neural processor unit (NPU)		HDMI ports quantity *	1
Neural processor unit (NPU)	Intel AI Boost	Combo headphone/mic port	✓
Sparsity support	✓	Keyboard	
Windows Studio effects support	✓	Pointing device	Touchpad
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	Numeric keypad *	✓
Total processor performance up to	36 TOPs	Keyboard backlit	✓
NPU performance up to	13 TOPs	Keyboard backlit colour	RGB
GPU performance up to	8 TOPs	Keyboard backlit zone	4-zone RGB
Memory		Software	
Internal memory *	32 GB	Operating system installed *	eShell
Internal memory type	DDR5-SDRAM	Battery	
Memory form factor	SO-DIMM	Battery technology	Lithium-Ion (Li-Ion)
Maximum internal memory *	64 GB	Battery capacity *	90 Wh
Storage		Battery life (max)	7 h
Total storage capacity *	1 TB	Power	
Storage media *	SSD	AC adapter power	100 W
Total SSDs capacity	1 TB	USB Type-C charging port *	✓
Number of SSDs installed	1	Weight & dimensions	
SSD capacity	1 TB	Width	401 mm
		Depth	307.9 mm
		Height	28 mm
		Weight *	3.3 kg
		Packaging content	
		AC adapter included *	✓



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