



Acer Predator Helios Neo 18 AI PHN18-72-75PV Intel Core Ultra 7 255HX Laptop 45.7 cm (18") WQXGA 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5060 Wi-Fi 6 (802.11ax) Windows 11 Home Black



Brand : Acer

Product family: Predator

Product code: NH.QVFEL.002

Product name :
PHN18-72-75PV

- Windows 11 Home 64-bit
- Intel Core Ultra 7 255HX (30MB Cache)
- 45.7 cm (18") WQXGA 2560 x 1600 IPS, NVIDIA GeForce RTX 5060 (8GB GDDR7)
- 32GB DDR5-SDRAM & 1000GB SSD
Intel Core Ultra 7 255HX (30MB Cache), 32GB DDR5-SDRAM, 1000GB SSD, 45.7 cm (18") WQXGA 2560 x 1600 IPS, Intel Graphics, NVIDIA GeForce RTX 5060 (8GB GDDR7), LAN, WLAN, Webcam, Windows 11 Home 64-bit
Acer Predator Helios Neo 18 AI PHN18-72-75PV. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 7, Processor model: 255HX. 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: Windows 11 Home. Product colour: Black

Design		Storage	
Product type *	Laptop	Optical drive type *	✗
Product colour *	Black	Card reader integrated	✓
Form factor *	Clamshell	Compatible memory cards	MicroSD (TransFlash)
Market positioning	Gaming	Graphics	
Original brand name	Acer	Discrete GPU manufacturer	NVIDIA
Display		Discrete graphics card model *	NVIDIA GeForce RTX 5060
Display diagonal *	45.7 cm (18")	Discrete graphics card memory	8 GB
Display resolution *	2560 x 1600 pixels	Discrete graphics memory type	GDDR7
Touchscreen *	✗	On-board graphics card *	✓
HD type	WQXGA	On-board GPU manufacturer	Intel
Panel type	IPS	Discrete graphics card *	✓
Display technology marketing name	ComfyView	On-board graphics card family	Intel® Graphics
Native aspect ratio	16:10	On-board graphics card model *	Intel® Graphics
Display surface	Matt	Audio	
Display diagonal (metric)	45.7 cm	Number of built-in speakers	2
Processor		Built-in microphone	✓
Processor manufacturer *	Intel	Camera	
Processor family *	Intel Core Ultra 7	Front camera	✓
Processor generation	Intel Core Ultra (Series 2)	Network	
Processor model *	255HX	Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Processor cores	20	Wi-Fi standards	Wi-Fi 6 (802.11ax)
Processor threads	20	Mobile network connection *	✗
Processor boost frequency	5.2 GHz	Antenna type	2x2
Performance cores	8	Ethernet LAN	✓
Efficient cores	12	Ethernet LAN data rates	2500 Mbit/s
Performance-core Max Turbo Frequency	5.2 GHz	Bluetooth	✓
Efficient-core Max Turbo Frequency	4.5 GHz	Ports & interfaces	
Performance-core base frequency	2.4 GHz	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Efficient-core base frequency	1.8 GHz	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Processor cache	30 MB		
Processor base power	55 W		
Maximum turbo power	160 W		

Neural processor unit (NPU)		Ports & interfaces	
Neural processor unit (NPU)	Intel AI Boost	USB 3.2 Gen 2 (3.1 Gen 2) 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	Combo headphone/mic port	✓
Total processor performance up to	33 TOPs	Keyboard	
NPU performance up to	13 TOPs	Pointing device	Touchpad
GPU performance up to	8 TOPs	Numeric keypad *	✓
Memory		Keyboard backlit	✓
Internal memory *	32 GB	Keyboard backlit colour	RGB
Internal memory type	DDR5-SDRAM	Keyboard backlit zone	4-zone RGB
Memory form factor	SO-DIMM	Software	
Maximum internal memory *	64 GB	Operating system architecture	64-bit
Storage		Operating system installed *	Windows 11 Home
Total storage capacity *	1 TB	Battery	
Storage media *	SSD	Battery technology	Lithium-Ion (Li-Ion)
Total SSDs capacity	1 TB	Power	
Number of SSDs installed	1	USB Type-C charging port *	✓
SSD capacity	1 TB	Weight & dimensions	
		Width	405 mm
		Depth	307.9 mm
		Height	28 mm
		Packaging content	
		AC adapter included *	✓



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