



Acer Predator PHN16-73-98MC Intel Core Ultra 9 275HX Laptop 40.6 cm (16") WQXGA 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5070 Ti Wi-Fi 6E (802.11ax) Windows 11 Pro Black

Brand : Acer

Product family: Predator

Product code: NH.U0UAA.004

Product name :
PHN16-73-98MC



16" 2560 x 1600 WQXGA, Intel Core Ultra 9 275HX, 32 GB DDR5-SDRAM, 1 TB SSD, NVIDIA GeForce RTX 5070 Ti, Intel Graphics, WLAN 802.11, WebCam, Windows 11 Pro
Acer Predator PHN16-73-98MC. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 9, Processor model: 275HX. Display diagonal: 40.6 cm (16"), 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 5070 Ti. Operating system installed: Windows 11 Pro. Product colour: Black

Design		Graphics	
Product type *	Laptop	Discrete graphics card memory	12 GB
Product colour *	Black	Discrete graphics memory type	GDDR7
Form factor *	Clamshell	On-board graphics card *	✓
Market positioning	Gaming	On-board GPU manufacturer	Intel
Original brand name	Acer	Discrete graphics card *	✓
Display		On-board graphics card family	Intel® Graphics
Display diagonal *	40.6 cm (16")	On-board graphics card model *	Intel® Graphics
Display resolution *	2560 x 1600 pixels	On-board graphics card cores	4
Touchscreen *	✗	On-board graphics card 4K support	✓
HD type	WQXGA	On-board graphics card 8K support	✓
Panel type	IPS	Graphics card Open GL support	✓
Display technology marketing name	ComfyView	Audio	
Native aspect ratio	16:10	Number of built-in speakers	2
Display surface	Matt	Built-in microphone	✓
Display diagonal (metric)	40.6 cm	Camera	
Maximum refresh rate	240 Hz	Front camera	✓
Processor		Network	
Processor manufacturer *	Intel	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Processor family *	Intel Core Ultra 9	Mobile network connection *	✗
Processor generation	Intel Core Ultra (Series 2)	WLAN controller model	Killer Wi-Fi 6E 1675i
Processor model *	275HX	WLAN controller manufacturer	Killer
Processor cores	24	Ethernet LAN	✓
Processor threads	24	Ethernet LAN data rates	5000 Mbit/s
Processor boost frequency	5.4 GHz	Bluetooth	✓
Performance cores	8	Bluetooth version	5.4
Efficient cores	16	Ports & interfaces	
Performance-core Max Turbo Frequency	5.4 GHz	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Efficient-core Max Turbo Frequency	4.6 GHz	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Performance-core base frequency	2.7 GHz	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2
Efficient-core base frequency	2.1 GHz		
Processor cache	36 MB		
Processor cache type	Smart Cache		
L2 cache	40 MB		

Processor		Ports & interfaces	
Processor base power	55 W	Ethernet LAN (RJ-45) ports	1
Maximum turbo power	160 W	HDMI ports quantity *	1
Neural processor unit (NPU)		Headphone outputs	1
Neural processor unit (NPU)	Intel AI Boost	Keyboard	
Sparsity support	✓	Pointing device	Touchpad
Windows Studio effects support	✓	Numeric keypad *	✓
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, WebNN, Windows ML	Keyboard backlit	✓
Total processor performance up to NPU performance up to	36 TOPs 13 TOPs	Keyboard backlit colour	RGB
Memory		Keyboard backlit zone	4-zone RGB
Internal memory *	32 GB	Copilot key	✓
Internal memory type	DDR5-SDRAM	Software	
Memory form factor	SO-DIMM	Operating system installed *	Windows 11 Pro
Storage		Battery	
Total storage capacity *	1 TB	Battery technology	Lithium-Ion (Li-Ion)
Storage media *	SSD	Battery capacity *	90 Wh
Total SSDs capacity	1 TB	Battery life (max)	8 h
Number of SSDs installed	1	Power	
SSD capacity	1 TB	AC adapter power	330 W
SSD interface	PCI Express 4.0	DC-in jack	✓
NVMe	✓	USB Type-C charging port *	✓
SSD form factor	M.2	Security	
Optical drive type *	✗	Cable lock slot	✓
Card reader integrated	✓	Cable lock slot type	Kensington
Compatible memory cards	MicroSD (TransFlash)	Trusted Platform Module (TPM)	✓
Graphics		Weight & dimensions	
Discrete GPU manufacturer	NVIDIA	Width	355.6 mm
Discrete graphics card model *	NVIDIA GeForce RTX 5070 Ti	Depth	274.3 mm
		Height	26.7 mm
		Weight *	2.7 kg
		Packaging content	
		AC adapter included *	✓
		Cables included	AC



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