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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

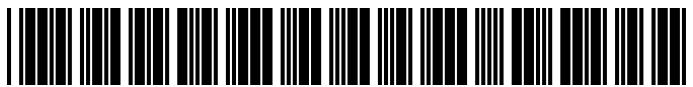**Brand :** Acer   **Product family:** Predator   **Product code:** NH.U0UAA.004

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

Product type *	Laptop
Product colour *	Black
Form factor *	Clamshell
Market positioning	Gaming
Original brand name	Acer

Display

Display diagonal *	40.6 cm (16")
Display resolution *	2560 x 1600 pixels
Touchscreen *	✘
HD type	WQXGA
Panel type	IPS
Display technology marketing name	ComfyView
Native aspect ratio	16:10
Display surface	Matt
Display diagonal (metric)	40.6 cm
Maximum refresh rate	240 Hz

Processor

Processor manufacturer *	Intel
Processor family *	Intel Core Ultra 9
Processor generation	Intel Core Ultra (Series 2)
Processor model *	275HX
Processor cores	24
Processor threads	24
Processor boost frequency	5.4 GHz
Performance cores	8
Efficient cores	16
Performance-core Max Turbo Frequency	5.4 GHz
Efficient-core Max Turbo Frequency	4.6 GHz
Performance-core base frequency	2.7 GHz
Efficient-core base frequency	2.1 GHz
Processor cache	36 MB
Processor cache type	Smart Cache
L2 cache	40 MB

Graphics

Discrete graphics card memory	12 GB
Discrete graphics memory type	GDDR7
On-board graphics card *	✔
On-board GPU manufacturer	Intel
Discrete graphics card *	✔
On-board graphics card family	Intel Graphics
On-board graphics card model *	Intel Graphics
On-board graphics card cores	4
On-board graphics card 4K support	✔
On-board graphics card 8K support	✔
Graphics card Open GL support	✔

Audio

Number of built-in speakers	2
Built-in microphone	✔

Camera

Front camera	✔

Network

Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Mobile network connection *	✘
WLAN controller model	Killer Wi-Fi 6E 1675i
WLAN controller manufacturer	Killer
Ethernet LAN	✔
Ethernet LAN data rates	5000 Mbit/s
Bluetooth	✔
Bluetooth version	5.4

Ports & interfaces

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2

Processor

Processor base power	55 W
Maximum turbo power	160 W

Neural processor unit (NPU)

Neural processor unit (NPU)	Intel AI Boost
Sparsity support	✔
Windows Studio effects support	✔
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, WebNN, Windows ML
Total processor performance up to	36 TOPs
NPU performance up to	13 TOPs

Memory

Internal memory *	32 GB
Internal memory type	DDR5-SDRAM
Memory form factor	SO-DIMM

Storage

Total storage capacity *	1 TB
Storage media *	SSD
Total SSDs capacity	1 TB
Number of SSDs installed	1
SSD capacity	1 TB
SSD interface	PCI Express 4.0
NVMe	✔
SSD form factor	M.2
Optical drive type *	✘
Card reader integrated	✔
Compatible memory cards	MicroSD (TransFlash)

Graphics

Discrete GPU manufacturer	NVIDIA
Discrete graphics card model *	NVIDIA GeForce RTX 5070 Ti

Ports & interfaces

Ethernet LAN (RJ-45) ports	1
HDMI ports quantity *	1
Headphone outputs	1

Keyboard

Pointing device	Touchpad
Numeric keypad *	✔
Keyboard backlit	✔
Keyboard backlit colour	RGB
Keyboard backlit zone	4-zone RGB
Copilot key	✔

Software

Operating system installed *	Windows 11 Pro

Battery

Battery technology	Lithium-Ion (Li-Ion)
Battery capacity *	90 Wh
Battery life (max)	8 h

Power

AC adapter power	330 W
DC-in jack	✔
USB Type-C charging port *	✔

Security

Cable lock slot	✔
Cable lock slot type	Kensington
Trusted Platform Module (TPM)	✔

Weight & dimensions

Width	355.6 mm
Depth	274.3 mm
Height	26.7 mm
Weight *	2.7 kg

Packaging content

AC adapter included *	✔
Cables included	AC

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