



Predator Helios Neo 16

AI

[PHN16-73-9031]



- Processor: Intel® Core™ Ultra 9 Processor 275HX
- Display: 16" Acer ComfyView™ WQXGA IPS 240 Hz (non-glare)
- Memory: 16 GB DDR5 RAM
- Mass storage: 1.000 GB M.2 PCIe Gen4 SSD
- Graphics card: NVIDIA® GeForce RTX™ 5070
- Operating system: Linux (eShell)





Acer PHN16-73-9031

SPECIFICATIONS



Ordering Information

Series	Predator Helios Neo 16 AI
Model name	PHN16-73-9031
Part number	NH.QX5EX.00A
EAN	4711474730060
Short description	16" Acer ComfyView™ WQXGA IPS 240 Hz (non-glare) / Intel® Core™ Ultra 9 Processor 275HX / 16 GB DDR5 RAM / 1.000 GB M.2 PCIe Gen4 SSD / NVIDIA® GeForce RTX™ 5070 / Linux (eShell) / Abyssal Black

Operating System

Operating System	Linux (eShell)
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Housing

Housing / Color	Abyssal Black
Component door	-
Dimensions	356,78 x 275,5 x 26,75 mm (W x D x H)
Weight	2.7 Kg
Passively cooled (fanless)	-

Display

Display size	16 inch (40.46 cm)
Display type	Acer ComfyView™ WQXGA IPS 240 Hz display with LED backlight (non-glare)
Display resolution in pixel	2560 x 1600
Aspect ratio	16:10

Processor

Processor	Intel® Core™ Ultra 9 Processor 275HX
Clock frequency	2.1 GHz base clock (Up to 5.4 GHz max. performance clock rate)
Cache	36 MB
Processing cores / threads	8 Performance-cores + 16 Efficient-cores / 24 Threads
NPU	Intel® AI Boost (up to 13 TOPS)

Storage and drives

Memory	16 GB DDR5 RAM
Memory configuration	1 x 16 GB DDR5 RAM (6400MHz)
Maximum RAM	Up to 64 GB DDR5 RAM (2x 32 GB soDIMM)
Mass storage	1.000 GB M.2 PCIe Gen4 Solid-State-Drive (SSD)

Graphics card

Graphics card	NVIDIA® GeForce RTX™ 5070
Graphics card memory dedicated	8GB GDDR7 VRAM
Maximum Graphic Power	115
Maximum Boost Frequency	2125

Connections

LAN	Killer™ Gigabit Ethernet E3100G
Wireless LAN	Intel® Wi-Fi 6E (802.11 ax)
Wireless WAN / SIM-Card	-
Wireless Gigabit	-
Bluetooth	Bluetooth® 5.3
NFC	-

IO ports

HDMI	1x HDMI@ 2.1
Displayport	via USB Type-C
Thunderbolt	Thunderbolt™ 4 (via USB Type-C)
USB 3.2	5x (2x Type C- Gen2, 1x Type A- Gen1, 2x Type A-Gen2 (1x with Power Off USB Charging)
USB 3.1	-
USB 3.0	-
USB 2.0	-
USB 4.0	-
Ethernet (RJ-45)	Yes
Cardreader	MicroSD cardreader
Smart card reader	-
Audio port	1x 3.5 mm speaker/headphone/line-out (supports headsets with integrated microphone)
Docking port	-



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Input

Keyboard	Acer FineTip keyboard (103 (US)/104 (UK) keys)
Keyboard layout	US International/Bulgarian
Backlit keyboard	Yes (4 Zone RGB)
Touchpad	Multi-Gesture TouchPad (Microsoft Precision Touchpad certification)

Security

Fingerprint sensor	-
Kensington Lock	Yes
Security software	Trusted Platform Module (TPM)

Audio and video

Audio	DTS® X: Ultra Audio, Acer TrueHarmony, Acer Purified, AI noise reduction kompatibel mit Cortana with Voice
Speaker	two built-in stereo speakers
Microphone	three built-in microphones
Webcam	FHD Webcam

Battery and power adapter

Battery	Li-Ion battery (4 cells / 90 Wh)
Battery lifetime	Up to 5 hours (based on video playback test results)
Power adapter	230W adapter (50% PCR-plastic)
Battery built in	-

Software

Other software	PredatorSense, Planet9, Acer Product Registration, Acer QuickPanel
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Special features

Special features	FHD webcam, A cover made of aluminum, 5th generation Aeroblade 3D cooling, Liquid Metal, vector heat pipe, Predator Premium Service
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Warranty

Warranty	1 year carry in warranty (1st year International Travelers Warranty)
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Logistics

Quantity per layer	20
Quantity per europallet	60
Quantity per tower	100
Quantity per container	1100
Carton dimensions / weight	548.0 x 346.0 x 80.0 mm (W x D x H) / 4.94 kg

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