

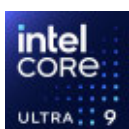


Acer Predator Helios Neo 18 AI

[PHN18-72-9923]



- Processor: Intel® Core™ Ultra 9 Processor 275HX
- Display: 18" Acer ComfyView™ WQXGA IPS 240Hz (non-glare)
- Memory: 32 GB DDR5 RAM
- Mass storage: 1.000 GB M.2 PCIe Gen4 SSD
- Graphics card: NVIDIA® GeForce RTX™ 5070 Ti
- Operating system: Windows 11 Home (64 Bit)





Acer PHN18-72-9923

SPECIFICATIONS



Ordering Information

Series	Acer Predator Helios Neo 18 AI
Model name	PHN18-72-9923
Part number	NH.QVLEL.001
EAN	4711474674043
Short description	18" Acer ComfyView™ WQXGA IPS 240Hz (non-glare) / Intel® Core™ Ultra 9 Processor 275HX / 32 GB DDR5 RAM / 1.000 GB M.2 PCIe Gen4 SSD / NVIDIA® GeForce RTX™ 5070 Ti / Windows 11 Home (64 Bit) / Abyssal Black

Operating System

Operating System	Windows 11 Home (64 Bit)
------------------	--------------------------

Housing

Housing / Color	Abyssal Black
Component door	-
Dimensions	404.96 x 307.90 x 28.00 mm (W x D x H)
Weight	3.3 kg
Passively cooled (fanless)	-

Display

Display size	18 inches (45.72 cm)
Display type	Acer ComfyView™ WQXGA IPS 240Hz 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	32 GB DDR5 RAM
Memory configuration	2 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 Ti
Graphics card memory dedicated	12GB GDDR7 VRAM
Maximum Graphic Power	140
Maximum Boost Frequency	1907

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 USB Type-C Thunderbolt™ 4, 1x USB Type-A Gen 1, 2x USB Type-A Gen 2 (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	-



Acer PHN18-72-9923

SPECIFICATIONS

Input

Keyboard	Acer FineTip RGB keyboard with numpad
Keyboard layout	US International (QWERTY)
Backlit keyboard	Yes (4 Zone RGB)
Touchpad	Multi-Gesture TouchPad (Microsoft Precision Touchpad certification)

Security

Fingerprint sensor	-
Kensington Lock	Yes
Security software	-

Audio and video

Audio	DTS® X: Ultra Audio, Acer Purified, Acer TrueHarmony, Intel® Blue-tooth® LE Audio, compatible with 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	330W AC Adapter (50% PCR-Plastic)
Battery built in	-

Software

Office	1 month trial for new Microsoft 365 customers. 3 months Gamepass. Credit card required
Other software	PredatorSense™, Planet9

Special features

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

Warranty

Warranty	2-year mail-in/return service
----------	-------------------------------

Logistics

Quantity per layer	18
Quantity per europallet	54
Quantity per tower	90
Quantity per container	900
Carton dimensions / weight	599.0 x 376.0 x 82.0 mm (W x D x H) / 5.89 kg

This data sheet is subject to change without notice. Availability may vary from region to region. Acer is not liable for any errors or omissions contained in the product descriptions. In addition to the standard warranty conditions, the statutory warranty regulations also apply to consumers. For more information on exclusions and limitations, please refer to our warranty conditions for the respective product. If the warranty period in the PDF document for the warranty conditions differs from the information on the Acer homepage, the information given on this website applies and not the information contained in the PDF. Copyright 2024 Acer, Inc. all rights reserved. Acer and the Acer logo are registered trademarks of Acer Incorporated. All other trademarks, registered trademarks and/or service marks mentioned or otherwise recognizable are the property of their respective owners. All prices quoted are manufacturer's suggested retail prices.