

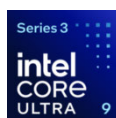


Predator Helios Neo 16S AI OLED

PHN16S-I71-949A



- Processor: Intel® Core™ Ultra 9 290HX Plus
- Display: 16" Acer CineCrystal™ WQXGA OLED 240Hz
- Memory: 32 GB DDR5 RAM
- Mass storage: 1 TB PCIe Gen4 Solid-State-Drive (SSD)
- Graphics card: NVIDIA® GeForce RTX™ 5080
- Operating system: Windows 11 Home (64 Bit)



Acer PHN16S-I71-949A

SPECIFICATIONS



Ordering Information

Series	Predator Helios Neo 16S AI OLED
Model	PHN16S-I71-949A
Article number	NH.U4YEG.007
EAN	4711721233344
Short description	16" Acer CineCrystal™ WQXGA OLED 240Hz / Intel® Core™ Ultra 9 290HX Plus / 32 GB DDR5 RAM / 1 TB PCIe Gen4 Solid-State-Drive (SDD) / NVIDIA® GeForce RTX™ 5080 / Windows 11 Home (64 Bit) / Abyssal Black

Operating System

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

Housing

Housing colour	Abyssal Black
Component door	-
Dimensions	TBD
Weight	2.3 kg
Passively cooled (fanless)	-

Display

Display size	16 inches (40.64 cm)
Display type	Acer CineCrystal™ WQXGA OLED 240Hz display with 100% DCI-P3 / Adobe-RGB color space coverage
Display resolution in pixel	2560 x 1600
Aspect ratio	16:10

Processor

Processor	Intel® Core™ Ultra 9 Processor 290HX Plus
Clock frequency	2.7 GHz Base Frequency (up to 5.5 GHz Max Turbo Frequency)
Cache	36 MB Intel® Smart Cache
Processing cores / threads	8 Performance-cores / 16 Efficient-cores / 24 Threads
NPU	Intel® AI Boost (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 TB PCIe Gen4 Solid-State-Drive (SDD)

Graphics card

Graphics card	NVIDIA® GeForce RTX™ 5080
Graphics card memory dedicated	16 GB GDDR7 VRAM

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 Gen 2, 1x Type-A Gen 1, 2x Type-A Gen 2 (1x with Power Off USB Charging))
USB 3.1	-
USB 3.0	-
USB 2.0	-
USB 4.0	-
USB Power Delivery	Yes
Ethernet (RJ-45)	Yes
Cardreader	MicroSD cardreader
Smart card reader	-
Audio port	1x 3.5 mm headphone/speaker jack (supports headsets with integrated microphone)
Docking port	-



Acer PHN16S-I71-949A

SPECIFICATIONS

Input

Keyboard	TBD
Keyboard layout	German (QWERTZ)
Backlit keyboard	Yes (4 Zone RGB)
Touchpad	Multi-gesture touchpad (Microsoft Precision Touchpad certification)

Security

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

Audio and video

Audio	DTS® X:Ultra Audio, Acer TrueHarmony, Acer Purified, AI noise reduction 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 / 92 Wh)
Battery lifetime	Up to 6 hours (based on MobileMark® 2030 test results)
Power adapter	230W adapter (50% PCR-plastic)
Battery built in	-
Minimum charging power	90 W
Maximum charging power	100 W

Software

Office	1 month trial for new Microsoft 365 customers. 3 months Gamepass. Credit card required
Other software	Acer LiveArt, Acer QuickPanel, Acer VisionArt, PredatorSense V5 (NB), Acer My Key Application

Special features

Special features	FHD webcam, OLED display, aluminum A- and D-cover, Thunderbolt™ 4, 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	20
Quantity per europallet	60
Quantity per tower	100
Quantity per container	1100
Carton dimensions / weight	543.0 x 341.0 x 80.0 mm (W x D x H) / 4.14 kg