



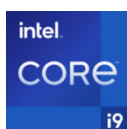
Acer Predator Helios Neo 18

[PHN18-71-98F9]



- Processor: Intel® Core™ i9-14900HX
- Display: 18" Acer ComfyView™ WQXGA IPS 165 Hz (non-glare)
- Memory: 32 GB DDR5 RAM
- Mass storage: 1.000 GB M.2 PCIe Gen4 SSD
- Graphics card: NVIDIA® GeForce RTX™ 4070
- Operating system: Windows 11 Home (64 Bit)

165_{Hz}



IPS
In-Plane Switching





Acer PHN18-71-98F9

SPECIFICATIONS



Ordering Information

Series	Acer Predator Helios Neo 18
Model name	PHN18-71-98F9
Part number	NH.QR5EG.004
EAN	4711121782213
Short description	18" Acer ComfyView™ WQXGA IPS 165 Hz (non-glare) / Intel® Core™ i9-14900HX / 32 GB DDR5 RAM / 1,000 GB M.2 PCIe Gen4 SSD / NVIDIA® GeForce RTX™ 4070 / Windows 11 Home (64 Bit) / Abyssal Black

Operating System

Operating System	Windows 11 Home (64 Bit)
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Housing

Housing / Color	Abyssal Black
Component door	-
Dimensions	404.0 x 312.08 x 29.15 mm (W x D x H)
Weight	3.4 kg
Passively cooled (fanless)	-

Display

Display size	18 inches (45.72 cm)
Display type	Acer ComfyView™ WQXGA IPS 165 Hz display with LED backlight (non-glare)
Display resolution in pixel	2560 x 1600
Aspect ratio	16:10

Processor

Processor	Intel® Core™ i9-14900HX Processor
Clock frequency	2.2 GHz base clock (Up to 5.8 GHz max. performance clock rate)
Cache	36 MB Intel® Smart Cache
Processing cores / threads	8 Performance-cores + 16 Efficient-cores / 32 Threads
NPU	-

Storage and drives

Memory	32 GB DDR5 RAM
Memory configuration	2 x 16 GB DDR5 RAM
Maximum RAM	Up to 32 GB DDR5 RAM (2x 16 GB soDIMM)
Mass storage	1,000 GB M.2 PCIe Gen4 Solid-State-Drive (SSD)

Graphics card

Graphics card	NVIDIA® GeForce RTX™ 4070
Graphics card memory dedicated	8 GB GDDR6 VRAM
Maximum Graphic Power	140
Maximum Boost Frequency	2080

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 Card reader
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 RGB keyboard with numpad
Keyboard layout	German (QWERTZ)
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 TrueHarmony, Acer Purified, AI noise reduction compatible with Cortana with Voice
Speaker	two built-in stereo speakers
Microphone	dual built-in microphones
Webcam	FHD Webcam

Battery and power adapter

Battery	Li-Ion battery (4 cells / 90 Wh)
Battery lifetime	Up to 6 hours (based on video playback test results)
Power adapter	330 watt power supply
Battery built in	-

Software

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

Warranty

Warranty	2-year mail-in/return service
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Logistics

Quantity per layer	18
Quantity per europallet	54
Quantity per tower	90
Quantity per container	990
Carton dimensions / weight	599.0 x 376.0 x 82.0 mm (W x D x H) / 5.15 kg

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