



Predator Helios Neo 18 AI

PHN18-72-91FO



- 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
- Operating system: Linux (eShell)





Acer PHN18-72-91F0

SPECIFICATIONS



Ordering Information

Series	Predator Helios Neo 18 AI
Model	PHN18-72-91F0
Article number	NH.QVHEX.007
EAN	4711474554772
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 / Linux (eShell) / Abyssal Black

Operating System

Operating System	Linux (eShell)
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Housing

Housing colour	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. max clock)
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	1 x 32 GB DDR5 RAM
Maximum RAM	Up to 64 GB DDR5 RAM (2x 32 GB soDIMM)
Mass storage	1.000 GB M.2 PCIe Gen4 SSD

Graphics card

Graphics card	NVIDIA® GeForce RTX™ 5070
Graphics card memory dedicated	8GB 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 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	-
USB Power Delivery	-
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 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® Bluetooth® LE Audio, compatible with Cortana with Voice
Speaker	two built-in stereo speakers
Microphone	three built-in microphones
Webcam	FHD IR 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	-
Minimum charging power	90 W
Maximum charging power	100 W

Software

Other software	PredatorSense™, Planet9
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Special features

Special features	-
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Warranty

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

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