



Acer Predator Helios Neo 14

[PHN14-51-785B]



- Processor: Intel® Core™ Ultra 7 processor 155H
- Display: 14.5" Acer ComfyView™ WQXGA 120Hz IPS (non-glare)
- Memory: 16 GB LPDDR5X RAM
- Mass storage: 1.000 GB M.2 PCIe Gen4 SSD
- Graphics card: NVIDIA® GeForce RTX™ 4060
- Operating system: Windows 11 Home (64 Bit)





Acer PHN14-51-78SB

SPECIFICATIONS



Ordering Information

Series	Acer Predator Helios Neo 14
Model name	PHN14-51-78SB
Part number	NH.QRPEG.002
EAN	4711474008527
Short description	14.5" Acer ComfyView™ WQXGA 120Hz IPS (non-glare) / Intel® Core™ Ultra 7 processor 155H / 16 GB LPDDR5X RAM / 1.000 GB M.2 PCIe Gen4 SSD / NVIDIA® GeForce RTX™ 4060 / Windows 11 Home (64 Bit) / Abyssal Black

Storage and drives

Memory	16 GB LPDDR5X RAM
Memory configuration	1 x 16 GB LPDDR5X RAM
Maximum RAM	Onboard RAM (not replaceable or expandable)
Mass storage	1.000 GB M.2 PCIe Gen4 Solid-State-Drive (SSD)

Graphics card

Graphics card	NVIDIA® GeForce RTX™ 4060
Graphics card memory dedicated	8 GB GDDR6 VRAM

Operating System

Operating System	Windows 11 Home (64 Bit)
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Housing

Housing / Color	Abyssal Black
Component door	-
Dimensions	324.12 x 255.35 x 20.90 mm (W x D x H)
Weight	1.9 kg
Passively cooled (fanless)	-

Display

Display size	14.5 inch (36.83 cm)
Display type	Acer ComfyView™ WQXGA 120Hz IPS Display with LED backlight and 100% sRGB (non-glare)
Display resolution in pixel	2560 x 1600
Aspect ratio	16:10

Processor

Processor	Intel® Core™ Ultra 7 processor 155H
Clock frequency	Up to 4.80 GHz Turbo-Boost
Cache	24 MB Intel® Smart Cache
Processing cores / threads	6 Performance-cores + 8 Efficient-cores + 2 Low-power E-cores / 22 Threads
NPU	Intel® AI Boost (up to 11 TOPS)

Connections

LAN	-
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	1x Thunderbolt™ 4 (via USB Type-C)
USB 3.2	4x (2x Type-C Gen 2, 2x Type-A Gen 2 (1x Power Off USB Charging))
USB 3.1	-
USB 3.0	-
USB 2.0	-
USB 4.0	-
Ethernet (RJ-45)	-
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 (86-/87-/90-keys)
Keyboard layout	German (QWERTZ)
Backlit keyboard	Yes (3 Zone RGB)
Touchpad	Multi-Gesture TouchPad (Microsoft Precision Touchpad certification)

Security

Fingerprint sensor	-
Kensington Lock	Yes
Security software	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	dual built-in microphones
Webcam	FHD Webcam

Battery and power adapter

Battery	Li-Ion battery (4 cells / 76 Wh)
Battery lifetime	Up to 6.5 hours (based on video playback test results)
Power adapter	230W AC power adapter
Battery built in	-

Software

Office	1 month trial for new Microsoft 365 customers. Credit card required
Other software	PredatorSense, Planet9, Acer Product Registration, Acer QuickPanel

Special features

Special features	FHD Webcam, 5th Gen Aeroblade 3D Fan, Vortex Flow, Liquid Metal, Vector heat pipe, Predator Premium Service
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Warranty

Warranty	2-year mail-in/return service
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Logistics

Quantity per layer	24
Quantity per europallet	72
Quantity per tower	144
Quantity per container	1584
Carton dimensions / weight	480.0 x 310.0 x 73.0 mm (W x D x H) / 3.77 kg

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