

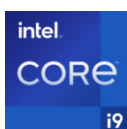


Acer Predator Helios 16

(PH16-72-90ZU)



- Processor: Intel® Core™ i9-14900HX
- Display: 16" Acer ComfyView™ WQXGA IPS 250 Hz Mini LED (non-glare)
- Memory: 32 GB DDR5 RAM
- Mass storage: 2000 GB PCIe SSD
- Graphics card: NVIDIA® GeForce RTX™ 4080
- Operating system: Windows 11 Home (64 Bit)





Acer PH16-72-90ZU

SPECIFICATIONS



Ordering Information

Series	Acer Predator Helios 16
Model name	PH16-72-90ZU
Part number	NH.QNZEG.005
EAN	4711121925689
Short description	16" Acer ComfyView™ WQXGA IPS 250 Hz Mini LED (non-glare) / Intel® Core™ i9-14900HX / 32 GB DDR5 RAM / 2000 GB PCIe SSD / NVIDIA® GeForce RTX™ 4080 / 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	357.78 x 277.55 x 29.6 mm (W x D x H)
Weight	2.7 kg
Passively cooled (fanless)	-

Display

Display size	16 inches (40.64 cm)
Display type	Acer ComfyView™ WQXGA IPS 250 Hz Mini LED Display (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	2000 GB M.2 PCIe Solid-State-Drive (SSD)

Graphics card

Graphics card	NVIDIA® GeForce RTX™ 4080
Graphics card memory dedicated	12 GB GDDR6 VRAM
Maximum Graphic Power	175
Maximum Boost Frequency	1930

Connections

LAN	Killer™ Gigabit Ethernet E3100G
Wireless LAN	Killer™ Wi-Fi 7 1750x(802.11 a/b/g/n/ac/ax/be)
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 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 Per-Key keyboard (100% Anti-ghosting)
Keyboard layout	German (QWERTZ)
Backlit keyboard	Ja (Per-Key RGB Beleuchtung)
Touchpad	Multi-Gesture Corning® Gorilla® Glass Touchpad

Accessories and service

Special accessories included	Predator MagKey 3.0 eight-in-one box (for the WASD keys), two inter- changeable air outlets for additional customization
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Security

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

Audio and video

Audio	DTS® X:Ultra Audio, Acer TrueHar- mony, Acer Purified, AI noise reduc- tion 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 5 hours
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, Acer Pro- duct Registration, Acer QuickPanel

Special features

Special features	FHD webcam, Infinity Mirror, Meg- Key 3.0, 2x 5th Gen Aeroblade 3D Fan, Liquid Metal, Vecotr 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	16
Quantity per europallet	48
Quantity per tower	80
Quantity per container	880
Carton dimensions / weight	551,0 x 392,0 x 97,0 mm (B x T x H) / 5,66 Kg

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