Acer Predator Helios 16
(PH16-72-90D0)

- Processor: Intel® Core™ i9-14900HX
- Display: 16" Acer ComfyView™ WQXGA IPS 240 Hz (non-glare)
- Memory: 32 GB DDR5 RAM
- Mass storage: 1.000 GB M.2 PCIe Gen4 SSD
- Graphics card: NVIDIA® GeForce RTX™ 4080
- Operating system: Linux (eShell)

240 Hz   intel CORE i9   NVIDIA GEFORCE RTX   FHD Webcam   IPS In-Plane Switching   microSD Card Reader

Acer PH16-72-90D0 — SPECIFICATIONS

Ordering Information

Series	Acer Predator Helios 16
Model name	PH16-72-90D0
Part number	NH.QRAEX.004
EAN	4711121979590
Short description	16" Acer ComfyView™ WQXGA IPS 240 Hz (non-glare) / Intel® Core™ i9-14900HX / 32 GB DDR5 RAM / 1.000 GB M.2 PCIe Gen4 SSD / NVIDIA® GeForce RTX™ 4080 / Linux (eShell) / Abyssal Black

Operating System

Operating System	Linux (eShell)

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 240 Hz display with LED backlight (non-glare)
Display resolution in pixel	2560 x 1600
Aspect ratio	16:10

Processor and chipset

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
Chipset	–

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™ 4080
Graphics card memory dedicated	12 GB GDDR6 VRAM

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
VGA	–
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
Audio port	1x 3.5 mm speaker/headphone/line-out (supports headsets with integrated microphone)
Docking port	–

Input

Keyboard	Acer FineTip RGB Per-Key keyboard (100% Anti-ghosting)
Keyboard layout	Slovenian/Croatian
Backlit keyboard	Ja (Per-Key RGB Beleuchtung)
Touchpad	Multi-Gesture Corning® Gorilla® Glass Touchpad

Security

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

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 5 hours
Power adapter	330 watt power supply
Battery built in	-

Software

Other software	PredatorSense, Planet9, Acer Product Registration, Acer QuickPanel

Special features

Special features	FHD webcam, Infinity Mirror, MegKey 3.0, 2x 5th Gen Aeroblade 3D Fan, Liquid Metal, Vecotr heat pipe, Predator Premium Service

Warranty

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

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

Accessories and service

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