

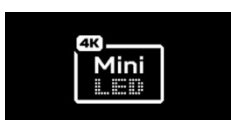


Predator Helios 18 AI

PH18-I71-999C



- Processor: Intel® Core™ Ultra 9 290HX Plus
- Display: 18" Acer ComfyView™ WQUXGA Mini LED 120Hz IPS (non-glare)
- Memory: 192 GB DDR5 RAM
- Mass storage: 2048 GB PCIe Gen5 SSD + 1 TB PCIe Gen4 Solid-State-Drive (SDD) + 1 TB PCIe Gen4 Solid-State-Drive (SDD)
- Graphics card: NVIDIA® GeForce RTX™ 5090
- Operating system: Windows 11 Pro (64 Bit)





Acer PH18-I71-999C

SPECIFICATIONS



Ordering Information

Series	Predator Helios 18 AI
Model	PH18-I71-999C
Article number	NH.U3GEG.008
EAN	4711721282854
Short description	18" Acer ComfyView™ WQUXGA Mini LED 120Hz IPS (non-glare) / Intel® Core™ Ultra 9 290HX Plus / 192 GB DDR5 RAM / 2048 GB PCIe Gen5 SSD + 1 TB PCIe Gen4 Solid-State-Drive (SDD) + 1 TB PCIe Gen4 Solid-State-Drive (SDD) / NVIDIA® GeForce RTX™ 5090 / Windows 11 Pro (64 Bit) / Abyssal Black

Storage and drives

Memory	192 GB DDR5 RAM
Memory configuration	4 x 48 GB DDR5 RAM
Maximum RAM	Up to 64 GB DDR5 RAM (2x 32 GB soDIMM)
Mass storage	2048 GB PCIe Gen5 SSD + 1 TB PCIe Gen4 Solid-State-Drive (SDD) + 1 TB PCIe Gen4 Solid-State-Drive (SDD)

Graphics card

Graphics card	NVIDIA® GeForce RTX™ 5090
Graphics card memory dedicated	24 GB GDDR7 VRAM

Operating System

Operating System	Windows 11 Pro (64 Bit)
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Housing

Housing colour	Abyssal Black
Component door	-
Dimensions	400.96 x 307.9 x 29.55 mm (W x D x H)
Weight	3.5 kg
Passively cooled (fanless)	-

Display

Display size	18 inches (45.72 cm)
Display type	Acer ComfyView™ WQUXGA Mini LED 120Hz IPS display (non-glare)
Display resolution in pixel	3840 x 2400
Aspect ratio	16:10

Processor

Processor	Intel® Core™ Ultra 9 Processor 290HX Plus
Clock frequency	2.7 GHz Base Frequency (up to 5.5 GHz Max Turbo Frequency)
Cache	36 MB Intel® Smart Cache
Processing cores / threads	8 Performance-cores / 16 Efficient-cores / 24 Threads
NPU	Intel® AI Boost (13 TOPS)

Connections

LAN	Killer™ Ethernet E5000B
Wireless LAN	Killer™ Wi-Fi 7 1750x (802.11 a/b/g/n/ac/ax/be)
Wireless WAN / SIM-Card	-
Wireless Gigabit	-
Bluetooth	Bluetooth® 5.4
NFC	-

IO ports

HDMI	1x HDMI® 2.1
Displayport	via USB Type-C
Thunderbolt	Thunderbolt™ 5 (via USB Type-C)
USB 3.2	5x (1x Type-A Gen 1, 2x Type-A Gen 2 (1x with Power-Off USB Charging), 2x Type-C Gen 2x2)
USB 3.1	-
USB 3.0	-
USB 2.0	-
USB 4.0	-
USB Power Delivery	Yes
Ethernet (RJ-45)	Yes
Cardreader	-
Smart card reader	-
Audio port	1x 3.5 mm headphone/speaker jack (supports headsets with integrated microphone)
Docking port	-



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Input

Keyboard	Acer FineTip RGB mini-LED Per-Key Tastatur (100% Anti-ghosting)
Keyboard layout	German (QWERTZ)
Backlit keyboard	Yes (4 Zone RGB)
Touchpad	Corning® Gorilla® Glass Multi-Gesture Multi-Control Lighting touchpad (Microsoft Precision Touchpad certification)

Security

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

Audio and video

Audio	DTS® X:Ultra Audio, Acer TrueHarmony, Acer Purified, AI noise reduction
Speaker	six built-in stereo speakers
Microphone	three built-in microphones
Webcam	FHD webcam

Battery and power adapter

Battery	Li-Ion (4 cells / 6578 mAh / 99.98 Wh)
Battery lifetime	Up to 5 hours (based on web browsing test results)
Power adapter	400W adapter
Battery built in	-
Minimum charging power	90 W
Maximum charging power	100 W

Software

Office	1 month trial for new Microsoft 365 customers. Credit card required
Other software	Acer LiveArt, Acer QuickPanel, Acer VisionArt, PredatorSense V5 (NB), Acer My Key Application

Special features

Special features	Copilot+ ready, FHD webcam, mini LED display, aluminum A cover, Thunderbolt™ 5, dual 6th generation Aeroblade 3D cooling, 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	16
Quantity per europallet	32
Quantity per tower	34
Quantity per container	704
Carton dimensions / weight	597.0 x 425.0 x 98.0 mm (W x D x H) / 7.81 kg

IO ports

Special accessories included	Predator MagKey 4.0 Box (for the WASD and arrow keys), Thermal Pad Upgrade Kit
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