

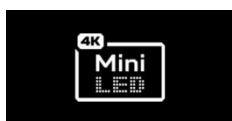


Predator Helios 18 AI

PH18-I71-93ZC



- Processor: Intel® Core™ Ultra 9 290HX Plus
- Display: 18" Acer ComfyView™ WQUXGA Mini LED 120Hz IPS (non-glare)
- Memory: 96 GB DDR5 RAM
- Mass storage: 1.000 GB M.2 PCIe Gen5 SSD
- Graphics card: NVIDIA® GeForce RTX™ 5090
- Operating system: Windows 11 Home (64 Bit)





Acer PH18-I71-93ZC

SPECIFICATIONS



Ordering Information

Series	Predator Helios 18 AI
Model	PH18-I71-93ZC
Article number	NH.U3GEG.009
EAN	4711721282861
Short description	18" Acer ComfyView™ WQUXGA Mini LED 120Hz IPS (non-glare) / Intel® Core™ Ultra 9 290HX Plus / 96 GB DDR5 RAM / 1.000 GB M.2 PCIe Gen5 SSD / NVIDIA® GeForce RTX™ 5090 / Windows 11 Home [64 Bit] / Abyssal Black

Storage and drives

Memory	96 GB DDR5 RAM
Memory configuration	2 x 48 GB DDR5 RAM
Maximum RAM	Up to 64 GB DDR5 RAM (2x 32 GB soDIMM)
Mass storage	1.000 GB M.2 PCIe Gen5 SSD

Graphics card

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

Operating System

Operating System	Windows 11 Home [64 Bit]
------------------	--------------------------

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	3.840 x 2.400
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	-



Acer PH18-I71-93ZC

SPECIFICATIONS

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. 3 months Gamepass. 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
------------------	--

Warranty

Warranty	2-year mail-in/return service
----------	-------------------------------

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
------------------------------	--

This data sheet is subject to change without notice. Availability may vary from region to region. Acer is not liable for any errors or omissions contained in the product descriptions. In addition to the standard warranty conditions, the statutory warranty regulations also apply to consumers. For more information on exclusions and limitations, please refer to our warranty conditions for the respective product. If the warranty period in the PDF document for the warranty conditions differs from the information on the Acer homepage, the information given on this website applies and not the information contained in the PDF. Copyright 2024 Acer, Inc. all rights reserved. Acer and the Acer logo are registered trademarks of Acer Incorporated. All other trademarks, registered trademarks and/or service marks mentioned or otherwise recognizable are the property of their respective owners. All prices quoted are manufacturer's suggested retail prices.