

# Acer Predator Helios 18 AI

(PH18-73-91DL)



- · Processor: Intel® Core™ Ultra 9 Processor 275HX
- · Display: 18" Acer ComfyView™ WQUXGA Mini LED 120Hz IPS (non-glare)
- · Memory: 192 GB DDR5 RAM
- Mass storage: 2048 GB PCIe Gen5 SSD + 2000 GB PCIe SSD + 2000
   GB PCIe SSD
- · Graphics card: NVIDIA® GeForce RTX™ 5090
- · Operating system: Windows 11 Pro (64 Bit)















# Acer PH18-73-91DL

# **SPECIFICATIONS**







#### **Ordering Information**

Series Model name Part number EAN

Short description

Acer Predator Helios 18 AI PH18-73-91DL NH.QVWEG.OOM 4711474723505 18" Acer ComfųView™ WQUXGA Mini LED 120Hz IPS (non-glare) / Intel® Core™ Ultra 9 Processor

275HX / 192 GB DDR5 RAM / 2048 GB PCIe Gen5 SSD + 2000 GB PCIe SSD + 2000 GB PCIe SSD / NVIDIA® GeForce RTX™ 5090 / Windows 11 Pro (64 Bit) / Abyssal Black

## Operating System

Operating System

Windows 11 Pro (64 Bit)

## Housing

Housing / Color Component door

Dimensions

Weight

Abyssal Black

404.0 x 311.6 x 28.9 mm (W x D x

H) 3.2 kg

Passively cooled (fanless)

### Display

Display size Display type

Display resolution in pixel Aspect ratio

18 Inch (45.72 cm)

Acer ComfyView™ WQUXGA Mini LED 120Hz IPS display (non-glare)

16:10

## Processor

Processor

Clock frequency

Processing cores / threads

NPU

3840 x 2400

Intel® Core™ Ultra 9 Processor

2.1 GHz base clock (Up to 5.4 GHz max. performance clock rate)

36 MB

8 Performance-cores + 16 Efficient-

cores / 24 Threads

Intel® AI Boost (up to 13 TOPS)

#### Storage and drives

Memoru

Memory configuration Maximum RAM

Mass storage

192 GB DDR5 RAM 4 x 48 GB DDR5 RAM

Up to 192 GB DDR5 RAM (4x 48

GB soDIMM)

2048 GB PCIe Gen5 SSD + 2000 GB M.2 PCIe Solid-State-Drive (SSD) + 2000 GB M.2 PCIe Solid-

State-Drive (SSD)

#### Graphics card

Graphics card Graphics card memory dedicated

Maximum Graphic Power Maximum Boost Frequency NVIDIA® GeForce RTX™ 5090 24 GB GDDR7 VRAM

175 1697

## Connections

ΙΔΝ

Wireless LAN

Wireless WAN / SIM-Card

Wireless Gigabit Bluetooth

NFC

Killer™ Wi-Fi 7 1750x (802.11 a/b/

g/n/ac/ax/be)

Bluetooth® 5.4

## IO ports

HDMI Displayport Thunderbolt

USB 3.2

USB 3.1 USB 3.0 **USB 2.0** 

**USB 4.0** Ethernet (RJ-45) Cardreader

Smart card reader

Audio port

1x HDMI® 2.1 via USB Type-C

Thunderbolt™ 5 (via USB Type-C) 3x (2x Type-A Gen 2 (1x with Power-Off USB Charging); 1x Type-A Gen 1)

2x (Type-C Thunderbolt™ 5)

MicroSD Card reader (up to 1TB)

1x 3.5 mm speaker/headphone/lineout (supports headsets with integra-

ted microphone)

Docking port



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Input

Keyboard TBD

Keyboard layout German (QWERTZ)
Backlit keyboard Yes (Per-Key RGB backlit)
Touchpad Multi-Gesture Corning® Gorilla®
Glass TouchPad (Microsoft Precision Touchpad Certification)

Security

Fingerprint sensor –
Kensington Lock Yes
Security software –

Audio and video

Audio DTS® X:Ultra Audio
Speaker six built-in stereo speakers
Microphone three built-in microphones
Webcam FHD IR Webcam

Battery and power adapter

Battery Li-Ion (4 cells / 6578 mAh / 99.98

Wh)

Battery lifetime Up to 5.5 hours (based on video

playback test results)

Power adapter 400W adapter

Battery built in -

Software

Office 1 month trial for new Microsoft 365 customers. Credit card required

Other software PredatorSense™

Special features

Special features Copilot+ ready, FHD webcam, mini

LED display, aluminum A cover, Thunderbolt™ 5, 6th generation Aeroblade 3D cooling, Liquid Metal, Vector heat pipe, Predator Premium

Service

Warranty

Warranty 2-year mail-in/return service

Logistics

Quantity per layer16Quantity per europallet32Quantity per tower64Quantity per container704

Carton dimensions / weight 597.0 x 425.0 x 98.0 mm (W x D x

H) / 7.81 kg

Accessories and service

Special accessories included Predator MagKey 4.0 Box (for the

WASD and arrow keys)

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