Acer Predator Helios 18 AI
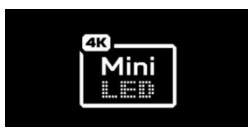## (PH18-73-91DL)

- 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)

120Hz | intel CORE ULTRA 9 | 4K Mini LED | NVIDIA GEFORCE RTX | FHD Webcam | microSD Card Reader

PREDATOR

Ordering Information

Series	Acer Predator Helios 18 AI
Model name	PH18-73-91DL
Part number	NH.QVWEG.00M
EAN	4711474723505
Short description	18" Acer ComfyView™ 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	Abyssal Black
Component door	–
Dimensions	404.0 x 311.6 x 28.9 mm (W x D x H)
Weight	3.2 kg
Passively cooled (fanless)	–

Display

Display size	18 Inch (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 275HX
Clock frequency	2.1 GHz base clock (Up to 5.4 GHz max. performance clock rate)
Cache	36 MB
Processing cores / threads	8 Performance-cores + 16 Efficient-cores / 24 Threads
NPU	Intel® AI Boost (up to 13 TOPS)

Storage and drives

Memory	192 GB DDR5 RAM
Memory configuration	4 x 48 GB DDR5 RAM
Maximum RAM	Up to 192 GB DDR5 RAM (4x 48 GB soDIMM)
Mass storage	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	NVIDIA® GeForce RTX™ 5090
Graphics card memory dedicated	24 GB GDDR7 VRAM
Maximum Graphic Power	175
Maximum Boost Frequency	1697

Connections

LAN	–
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	3x (2x Type-A Gen 2 (1x with Power-Off USB Charging); 1x Type-A Gen 1)
USB 3.1	–
USB 3.0	–
USB 2.0	–
USB 4.0	2x (Type-C Thunderbolt™ 5)
Ethernet (RJ-45)	Yes
Cardreader	MicroSD Card reader (up to 1TB)
Smart card reader	–
Audio port	1x 3.5 mm speaker/headphone/line-out (supports headsets with integrated microphone)
Docking port	–

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 layer	16
Quantity per europallet	32
Quantity per tower	64
Quantity per container	704
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)