



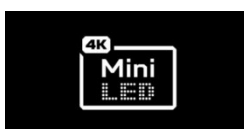
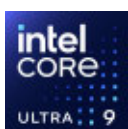
# Acer Predator Helios 18

## AI

(PH18-73-97UF)



- Processor: Intel® Core™ Ultra 9 Processor 275HX
- Display: 18" Acer ComfyView™ WQUXGA Mini LED 120Hz IPS (non-glare)
- Memory: 64 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 PH18-73-97UF

## SPECIFICATIONS



### Ordering Information

|                   |                                                                                                                                                                                                                       |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Series            | Acer Predator Helios 18 AI                                                                                                                                                                                            |
| Model name        | PH18-73-97UF                                                                                                                                                                                                          |
| Part number       | NH.QVWEL.002                                                                                                                                                                                                          |
| EAN               | 4711474745316                                                                                                                                                                                                         |
| Short description | 18" Acer ComfyView™ WQUXGA Mini LED 120Hz IPS (non-glare) / Intel® Core™ Ultra 9 Processor 275HX / 64 GB DDR5 RAM / 1.000 GB M.2 PCIe Gen5 SSD / NVIDIA® GeForce RTX™ 5090 / Windows 11 Home (64 Bit) / Abyssal Black |

### Operating System

|                  |                          |
|------------------|--------------------------|
| Operating System | Windows 11 Home (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               | 64 GB DDR5 RAM                                 |
| Memory configuration | 2 x 32 GB DDR5 RAM                             |
| Maximum RAM          | Up to 192 GB DDR5 RAM (4x 48 GB soDIMM)        |
| Mass storage         | 1.000 GB M.2 PCIe Gen5 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                     | 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           | 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      | -                                                                                   |



## Acer PH18-73-97UF

## SPECIFICATIONS

### Input

|                  |                                                                                             |
|------------------|---------------------------------------------------------------------------------------------|
| Keyboard         | TBD                                                                                         |
| Keyboard layout  | US International (QWERTY)                                                                   |
| 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. 3 months Gamepass. 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) |
|------------------------------|-------------------------------------------------------|

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