



# Acer Predator Helios Neo 16 AI

(PHN16-73-93FS)



- Processor: Intel® Core™ Ultra 9 Processor 275HX
- Display: 16" Acer ComfyView™ WQXGA IPS 240 Hz (non-glare)
- Memory: 32 GB DDR5 RAM
- Mass storage: 1.000 GB M.2 PCIe Gen4 SSD
- Graphics card: NVIDIA® GeForce RTX™ 5070 Ti
- Operating system: Windows 11 Home (64 Bit)





## Acer PHN16-73-93FS

## SPECIFICATIONS



### Ordering Information

|                   |                                                                                                                                                                                                                 |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Series            | Acer Predator Helios Neo 16 AI                                                                                                                                                                                  |
| Model name        | PHN16-73-93FS                                                                                                                                                                                                   |
| Part number       | NH.QX2EC.003                                                                                                                                                                                                    |
| EAN               | 4711121843389                                                                                                                                                                                                   |
| Short description | 16" Acer ComfyView™ WQXGA IPS 240 Hz (non-glare) / Intel® Core™ Ultra 9 Processor 275HX / 32 GB DDR5 RAM / 1.000 GB M.2 PCIe Gen4 SSD / NVIDIA® GeForce RTX™ 5070 Ti / Windows 11 Home (64 Bit) / Abyssal Black |

### Operating System

|                  |                          |
|------------------|--------------------------|
| Operating System | Windows 11 Home (64 Bit) |
|------------------|--------------------------|

### Housing

|                            |                                       |
|----------------------------|---------------------------------------|
| Housing / Color            | Abyssal Black                         |
| Component door             | -                                     |
| Dimensions                 | 356,78 x 275,5 x 26,75 mm (W x D x H) |
| Weight                     | 2.7 Kg                                |
| Passively cooled (fanless) | -                                     |

### Display

|                             |                                                                         |
|-----------------------------|-------------------------------------------------------------------------|
| Display size                | 16 inch (40.46 cm)                                                      |
| Display type                | Acer ComfyView™ WQXGA IPS 240 Hz display with LED backlight (non-glare) |
| Display resolution in pixel | 2560 x 1600                                                             |
| 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               | 32 GB DDR5 RAM                                 |
| Memory configuration | 2 x 16 GB DDR5 RAM (6400MHz)                   |
| Maximum RAM          | Up to 64 GB DDR5 RAM (2x 32 GB soDIMM)         |
| Mass storage         | 1.000 GB M.2 PCIe Gen4 Solid-State-Drive (SSD) |

### Graphics card

|                                |                              |
|--------------------------------|------------------------------|
| Graphics card                  | NVIDIA® GeForce RTX™ 5070 Ti |
| Graphics card memory dedicated | 12GB GDDR7 VRAM              |

### Connections

|                         |                                 |
|-------------------------|---------------------------------|
| LAN                     | Killer™ Gigabit Ethernet E3100G |
| Wireless LAN            | Intel® Wi-Fi 6E (802.11 ax)     |
| Wireless WAN / SIM-Card | -                               |
| Wireless Gigabit        | -                               |
| Bluetooth               | Bluetooth® 5.3                  |
| NFC                     | -                               |

### IO ports

|                   |                                                                                       |
|-------------------|---------------------------------------------------------------------------------------|
| HDMI              | 1x HDMI® 2.1                                                                          |
| Displayport       | via USB Type-C                                                                        |
| Thunderbolt       | Thunderbolt™ 4 (via USB Type-C)                                                       |
| USB 3.2           | 5x (2x Type C- Gen2, 1x Type A- Gen1, 2x Type A-Gen2 (1x with Power Off USB Charging) |
| USB 3.1           | -                                                                                     |
| USB 3.0           | -                                                                                     |
| USB 2.0           | -                                                                                     |
| USB 4.0           | -                                                                                     |
| Ethernet (RJ-45)  | Yes                                                                                   |
| Cardreader        | MicroSD cardreader                                                                    |
| Smart card reader | -                                                                                     |
| Audio port        | 1x 3.5 mm speaker/headphone/line-out (supports headsets with integrated microphone)   |
| Docking port      | -                                                                                     |



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### Input

|                  |                                                                        |
|------------------|------------------------------------------------------------------------|
| Keyboard         | Acer FineTip keyboard (103 (US)/<br>104 (UK) keys)                     |
| Keyboard layout  | US International / Hebrew                                              |
| Backlit keyboard | Yes (4 Zone RGB)                                                       |
| Touchpad         | Multi-Gesture TouchPad (Microsoft<br>Precision Touchpad certification) |

### Security

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

### Audio and video

|            |                                                                                                                           |
|------------|---------------------------------------------------------------------------------------------------------------------------|
| Audio      | DTS® X: Ultra Audio, Acer TrueHar-<br>mony, Acer Purified, AI noise reduc-<br>tion   kompatibel mit Cortana with<br>Voice |
| Speaker    | two built-in stereo speakers                                                                                              |
| Microphone | dual built-in microphones                                                                                                 |
| Webcam     | FHD IR Webcam                                                                                                             |

### Battery and power adapter

|                  |                                                           |
|------------------|-----------------------------------------------------------|
| Battery          | Li-Ion battery (4 cells / 90 Wh)                          |
| Battery lifetime | Up to 5 hours (based on video play-<br>back test results) |
| Power adapter    | 330W AC Adapter (50% PCR-Plas-<br>tic)                    |
| Battery built in | -                                                         |

### Software

|                |                                                                                              |
|----------------|----------------------------------------------------------------------------------------------|
| Office         | 1 month trial for new Microsoft 365<br>customers. 3 months Gamepass.<br>Credit card required |
| Other software | PredatorSense, Planet9, Acer Pro-<br>duct Registration, Acer QuickPanel                      |

### Warranty

|          |                          |
|----------|--------------------------|
| Warranty | 3 years Carry-In Service |
|----------|--------------------------|

### Logistics

|                            |     |
|----------------------------|-----|
| Quantity per layer         | TBD |
| Quantity per europallet    | TBD |
| Quantity per tower         | TBD |
| Quantity per container     | TBD |
| Carton dimensions / weight | TBD |

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