

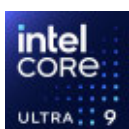


# Predator Helios Neo 16 AI

(PHN16-73-969C)



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





## Acer PHN16-73-969C

## SPECIFICATIONS



### Ordering Information

|                   |                                                                                                                                                                                                                                              |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Series            | Predator Helios Neo 16 AI                                                                                                                                                                                                                    |
| Model name        | PHN16-73-969C                                                                                                                                                                                                                                |
| Part number       | NH.QX2EG.007                                                                                                                                                                                                                                 |
| EAN               | 4711474880079                                                                                                                                                                                                                                |
| Short description | 16" Acer ComfyView™ WQXGA IPS 240 Hz (non-glare) / Intel® Core™ Ultra 9 Processor 275HX / 64 GB DDR5 RAM / 1.000 GB M.2 PCIe Gen4 SSD + 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               | 64 GB DDR5 RAM                                                                                  |
| Memory configuration | 2 x 32 GB DDR5 RAM                                                                              |
| 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) + 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              |
| Maximum Graphic Power          | 140                          |
| Maximum Boost Frequency        | 1907                         |

### 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      | -                                                                                     |



## Acer PHN16-73-969C

## SPECIFICATIONS

### Input

|                  |                                                                     |
|------------------|---------------------------------------------------------------------|
| Keyboard         | Acer FineTip keyboard (103 (US)/104 (UK) keys)                      |
| Keyboard layout  | German (QWERTZ)                                                     |
| Backlit keyboard | Yes (4 Zone RGB)                                                    |
| Touchpad         | Multi-Gesture TouchPad (Microsoft Precision Touchpad certification) |

### Security

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

### Audio and video

|            |                                                                                                              |
|------------|--------------------------------------------------------------------------------------------------------------|
| Audio      | DTS® X: Ultra Audio, Acer TrueHarmony, Acer Purified, AI noise reduction   kompatibel mit Cortana with Voice |
| Speaker    | two built-in stereo speakers                                                                                 |
| Microphone | three 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 playback test results) |
| Power adapter    | 330W AC Adapter (50% PCR-Plastic)                    |
| Battery built in | -                                                    |

### Software

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

### Special features

|                  |                                                                                                                                                       |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Special features | Copilot+ capable, FHD webcam, A cover made of aluminum, 5th generation Aeroblade 3D cooling, Liquid Metal, vector heat pipe, Predator Premium Service |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|

### Warranty

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

### Logistics

|                            |                                               |
|----------------------------|-----------------------------------------------|
| Quantity per layer         | 20                                            |
| Quantity per europallet    | 60                                            |
| Quantity per tower         | 100                                           |
| Quantity per container     | 1100                                          |
| Carton dimensions / weight | 548.0 x 346.0 x 80.0 mm (W x D x H) / 4.94 kg |

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.