



Predator Helios Neo 16

(PHN16-71-737G)



- Processor: Intel® Core™ i7 13700HX
- Display: Acer ComfyView™ WQXGA IPS 165 Hz Display (non-glare)
- Memory: 16 GB DDR5 RAM
- Mass storage: 1.000 GB M.2 PCIe Gen4 SSD
- Graphics card: NVIDIA® GeForce RTX™ 4070
- Operating system: Windows 11 Home (64 Bit)



165_{HZ}





Acer PHN16-71-737G

SPECIFICATIONS



Ordering Information

Series	Predator Helios Neo 16
Model name	PHN16-71-737G
Part number	NH.QLVEG.005
EAN	4711121655975
Short description	Acer ComfyView™ WQXGA IPS 165 Hz Display (non-glare) / Intel® Core™ i7 13700HX / 16 GB DDR5 RAM / 1.000 GB M.2 PCIe Gen4 SSD / NVIDIA® GeForce RTX™ 4070 / Windows 11 Home (64 Bit) / Obsidian Black

Operating System

Operating System	Windows 11 Home (64 Bit)
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Housing

Housing / Color	Obsidian Black
Component door	-
Dimensions	360,1 x 279,9 x 28,25 mm (W x D x H)
Weight	2,6 Kg
Passively cooled (fanless)	-

Display

Display size	16,0 Zoll (40,64 cm)
Display type	Acer ComfyView™ WQXGA IPS 165 Hz Display with LED-Backlight (non-glare)
Display resolution in pixel	2.560 x 1.600
Aspect ratio	16:10

Processor and chipset

Processor	Intel® Core™ i7 13700HX Processor
Clock frequency	2.1 GHz (up to 5.0 GHz with Intel® Turbo Boost Max Technology 3.0)
Cache	30 MB Smart Cache
Processing cores / threads	8 Performance-cores + 8 Efficient-cores / 24 Threads
Chipset	-

Storage and drives

Memory	16 GB DDR5 RAM
Memory configuration	2 x 8 GB DDR5 RAM
Maximum RAM	Up to 32 GB DDR5 RAM (2x 16 GB soDIMM)
Mass storage	1.000 GB M.2 PCIe Gen4 Solid-State-Drive (SSD)

Graphics card

Graphics card	NVIDIA® GeForce RTX™ 4070
Graphics card memory dedicated	8 GB GDDR6 VRAM
Maximum Graphic Power	140
Maximum Boost Frequency	1585

Connections

LAN	Killer™ Ethernet E2600
Wireless LAN	Killer™ Wi-Fi 6 AX1650i
Wireless WAN / SIM-Card	-
Wireless Gigabit	-
Bluetooth	Bluetooth® 5.1
NFC	-

IO ports

HDMI	1x (HDMI 2.1 with HDCP support)
VGA	-
Displayport	1x DisplayPort™ (via USB-C)
Thunderbolt	2x Thunderbolt™ 4 (via USB Type-C)
USB 3.2	5x (2x Type-C Gen 2, 1x Type-A Gen 1, 2x Type-A Gen 2 (1x Power Off USB Charging))
USB 3.1	-
USB 3.0	-
USB 2.0	-
USB 4.0	-
Ethernet (RJ-45)	Yes
Cardreader	MicroSD Card reader
Audio port	1x speaker/headphone/line-out (supports headsets with integrated microphone 3.5 mm port)
Docking port	-



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Input

Keyboard	Acer FineTip RGB Keyboard (103-/104-/107-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, Cortana with Voice compatible
Speaker	Two built-in stereo speakers
Microphone	Built in microphone
Webcam	HD Webcam

Battery and power adapter

Battery	Li-Ion battery (4 cells / 90 Wh)
Battery lifetime	Up to 6.5 hours (based on MobileMark® 2018 test results)
Power adapter	330 watt power supply
Battery built in	-

Software

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

Warranty	2-year mail-in/return service
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Logistics

Quantity per layer	20
Quantity per europallet	60
Quantity per tower	100
Quantity per container	1100
Carton dimensions / weight	543.0 x 341.0 x 80.0 mm (W x D x H) / 4 Kg

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