

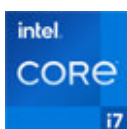


Acer Predator Helios 16

[PH16-71-77WQ]



- Processor: Intel® Core™ i7 13700HX
- Display: Acer ComfyView™ WQXGA IPS 240 Hz display (non-glare)
- Memory: 32 GB DDR5 RAM
- Mass storage: 1.000 GB M.2 PCIe Gen4 SSD
- Graphics card: NVIDIA® GeForce RTX™ 4070
- Operating system: Linux (eShell)





Acer PH16-71-77WQ

SPECIFICATIONS



Ordering Information

Series	Acer Predator Helios 16
Model name	PH16-71-77WQ
Part number	NH.QJREG.003
EAN	4711121363498
Short description	Acer ComfyView™ WQXGA IPS 240 Hz display (non-glare) / Intel® Core™ i7 13700HX / 32 GB DDR5 RAM / 1.000 GB M.2 PCIe Gen4 SSD / NVIDIA® GeForce RTX™ 4070 / Linux (eShell) / Black

Operating System

Operating System	Linux (eShell)
------------------	----------------

Housing

Housing / Color	Black
Component door	-
Dimensions	357.78 x 278.74 x 26.90 mm (W x D x H)
Weight	2.7 kg
Passively cooled (fanless)	-

Display

Display size	16 Inch (40.64 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 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	32 GB DDR5 RAM
Memory configuration	2 x 16 GB DDR5 RAM
Maximum RAM	Up to 32 GB DDR5 RAM
Mass storage	1.000 GB M.2 PCIe Gen4 Solid-State-Drive (SSD)
Optical drive	-

Graphics card

Graphics card	NVIDIA® GeForce RTX™ 4070
Graphics card memory dedicated	8 GB GDDR6 VRAM
Maximum Graphic Power	140
Maximum Boost Frequency	2080

Connections

LAN	Killer™ Ethernet E2600
Wireless LAN	Intel® Killer™ Wireless Wi-Fi 6E 1675i
Wireless WAN / SIM-Card	-
Wireless Gigabit	-
Bluetooth	Bluetooth® 5.2
NFC	-

IO ports

HDMI	1x HDMI® 2.1 with HDCP support
VGA	-
Displayport	via USB Type-C
Thunderbolt	Thunderbolt™ 4 (via USB Type-C)
USB 3.2	5x (1x Type-A Gen 1; 2x Type-A Gen 2 (1x with Power-Off USB Charging); 2x Type-C Gen 2)
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 built-in microphone)
Docking port	-



Acer PH16-71-77WQ

SPECIFICATIONS

Input

Keyboard	Acer FineTip RGB keyboard (103/104/107 keys)
Keyboard layout	German (QWERTZ)
Backlit keyboard	Yes (RGB)
Touchpad	Multi-Gesture Touchpad (Corning® Gorilla® Glass)

Security

Fingerprint sensor	-
Kensington Lock	Yes
Security software	-

Audio and video

Audio	DTS® X, Acer Purified, Acer True-Harmony, compatible with Cortana with Voice
Speaker	internal speakers
Microphone	dual built-in microphones
Webcam	FHD Webcam

Battery and power adapter

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

Special features

Special features	5th Gen Aeroblade 3D Fan, Liquid Metal, Predator Premium Service
------------------	--

Warranty

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

Logistics

Quantity per layer	16
Quantity per europallet	48
Quantity per tower	80
Quantity per container	880
Carton dimensions / weight	551.0 x 392.0 x 97.0 mm (W x D x H) / 5.68 Kg

Due to our ongoing commitment to the continuous improvement of the quality of our products, this data sheet is subject to change without notice. Availability may vary from region to region. Acer is not responsible for any errors or omissions in the product descriptions. Copyright 2020 Acer Computer GmbH, Germany. All rights reserved. Acer and the Acer logo are registered trademarks of Acer Incorporated. Microsoft and Windows are registered trademarks of Microsoft Corporation. Intel and Pentium are registered trademarks of Intel Corporation. All other mentioned or otherwise recognizable trademarks, registered trademarks and/or service marks are the property of their respective owners. All prices quoted are recommended retail prices of the manufacturer