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Acer Predator Helios 16 PH16-72-998Z Intel® Core™ i9 i9-14900HX Laptop 40.6 cm (16") WQXGA 32 GB DDR5-SDRAM 2 TB SSD NVIDIA GeForce RTX 4070 Wi-Fi 7 (802.11be) Windows 11 Home Black

Brand : Acer
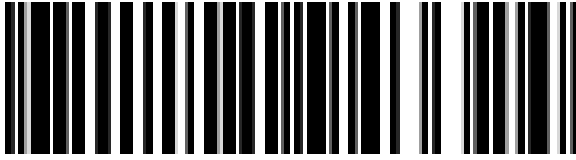
Product family: Predator

Product code: NH.QNXEH.001

Product name : Helios 16 PH16-72-998Z

Acer Predator Helios 16 PH16-72-998Z. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i9, Processor model: i9-14900HX, Processor frequency: 2.2 GHz. Display diagonal: 40.6 cm (16"), HD type: WQXGA, Display resolution: 2560 x 1600 pixels. Internal memory: 32 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 2 TB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics. Operating system installed: Windows 11 Home. Product colour: Black

Design

Colour name	Abyssal Black
Product type *	Laptop
Product colour *	Black
Form factor *	Clamshell
Market positioning	Gaming

Display

Display diagonal *	40.6 cm (16")
Display resolution *	2560 x 1600 pixels
Touchscreen *	✘
HD type	WQXGA
Panel type	IPS
Native aspect ratio	16:10
Anti-glare screen	✔
Display brightness	500 cd/m²
Display diagonal (metric)	40.6 cm
RGB colour space	DCI-P3
Colour gamut	100%
Maximum refresh rate	240 Hz

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i9
Processor generation	Intel® Core™ i9 (14th gen)
Processor model *	i9-14900HX
Processor cores	24
Processor boost frequency	5.8 GHz
Processor frequency *	2.2 GHz
Processor cache	36 MB
Processor cache type	L3

Memory

Internal memory *	32 GB
Internal memory type	DDR5-SDRAM
Memory clock speed	5600 MHz
Memory slots	2x SO-DIMM

Storage

Total storage capacity *	2 TB
Storage media *	SSD
Total SSDs capacity	2 TB
Number of SSDs installed	2
SSD capacity	1 TB

Graphics

Discrete graphics card *	✔
On-board graphics card model *	Intel® UHD Graphics

Audio

Built-in microphone	✔

Camera

Front camera	✔
Front camera HD type	Full HD

Network

Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Wi-Fi standards	Wi-Fi 7 (802.11be)
Mobile network connection *	✘
Antenna type	2x2
WLAN controller manufacturer	Killer
Ethernet LAN	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Bluetooth	✔
Bluetooth version	5.3

Ports & interfaces

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity *	1
Combo headphone/mic port	✔
Charging port type	DC-in jack

Keyboard

Pointing device	Touchpad
Keyboard layout	AZERTY
Numeric keypad *	✔
Keyboard backlit	✔
Keyboard backlit colour	RGB

Software

Operating system installed *	Windows 11 Home

Battery

Battery technology	Lithium-Ion (Li-Ion)
Battery capacity *	90 Wh

Storage

SSD interface	PCI Express
NVMe	✔
Optical drive type *	✖
Card reader integrated	✔

Graphics

Discrete graphics card model *	NVIDIA GeForce RTX 4070
Discrete graphics card memory	8 GB
Discrete graphics memory type	GDDR6
On-board graphics card *	✔

Battery

Battery life (max)	5 h

Power

AC adapter power	330 W

Security

Cable lock slot	✔

Weight & dimensions

Width	357.8 mm
Depth	277.6 mm
Height (front)	2.49 cm
Height (rear)	2.69 cm
Weight *	2.7 kg

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