Acer Predator Helios 16 PH16-71-95XP

Brand : Acer

Product family: Predator

Product code: NH.QJSEK.00G

Product name : Predator Helios 16 PH16-71-95XP

- Windows 11 Home 64-bit
- Intel Core i9-13900HX (36MB Cache)
- 40.6 cm (16") WQXGA 2560 x 1600, NVIDIA GeForce RTX 4080 (12GB GDDR6)
- 32GB DDR5-SDRAM & 2TB SSD

Predator Helios 16 PH16-71 - Intel Core i9-13900HX, Nvidia RTX 4080, 32GB, 2TB SSD, 16" 165Hz WQXGA, Win 11, Black

Acer Predator Helios 16 PH16-71-95XP. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i9, Processor model: i9-13900HX, 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

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
LED backlight	✔
Native aspect ratio	16:10
RGB colour space	DCI-P3
Colour gamut	100%
Maximum refresh rate	250 Hz

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i9
Processor generation	13th gen Intel® Core™ i9
Processor model *	i9-13900HX
Processor cores	24
Processor frequency *	2.2 GHz
Performance-core Max Turbo Frequency	5.4 GHz
Efficient-core boost frequency	3.9 GHz
Processor cache	36 MB
Processor cache type	Smart Cache
Bus type	DMI4
Configurable TDP-down	45 W

Memory

Internal memory *	32 GB
Internal memory type	DDR5-SDRAM
Memory form factor	SO-DIMM
Memory slots	2x SO-DIMM

Camera

Front camera resolution	1920 x 1080 pixels
Front camera HD type	Full HD

Network

Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Wi-Fi standards	Wi-Fi 6E (802.11ax)
Mobile network connection *	✘
Ethernet LAN	✔
Ethernet LAN data rates	10,100,1000,2500 Mbit/s
Bluetooth	✔
Bluetooth version	5.1

Ports & interfaces

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
USB 3.2 Gen 1 (3.1 Gen 1) Type-C 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
HDMI version	2.1
Headphone outputs	1
Combo headphone/mic port	✔
Charging port type	DC-in jack
USB Type-C DisplayPort Alternate Mode	✔

Keyboard

Pointing device	Touchpad
Numeric keypad *	✔
Keyboard backlit	✔
Keyboard backlit colour	RGB
Full-size keyboard	✔

Memory

Maximum internal memory *	32 GB

Storage

Total storage capacity *	2 TB
Storage media *	SSD
Total SSDs capacity	2 TB
Number of SSDs installed	1
SSD capacity	2 TB
SSD interface	PCI Express
NVMe	✓
SSD form factor	M.2
Optical drive type *	✗
Card reader integrated	✓
Compatible memory cards	MicroSD (TransFlash)

Graphics

Discrete graphics card model *	NVIDIA GeForce RTX 4080
Discrete graphics card memory	12 GB
Discrete graphics memory type	GDDR6
On-board graphics card *	✓
On-board GPU manufacturer	Intel
Discrete graphics card *	✓
On-board graphics card model *	Intel® UHD Graphics

Audio

Audio system	True Harmony
Number of built-in speakers	2
Speaker power	330 W
Built-in microphone	✓
Number of microphones	2

Camera

Front camera	✓

Software

Operating system architecture	64-bit
Operating system installed *	Windows 11 Home

Processor special features

Intel Flex Memory Access	✓
Intel VT-x with Extended Page Tables (EPT)	✓
CPU configuration (max)	1
Intel Virtualization Technology for Directed I/O (VT-d)	✓
Intel Virtualization Technology (VT-x)	✓

Battery

Battery technology	Lithium-Ion (Li-Ion)
Number of battery cells	4
Battery capacity *	90 Wh
Battery life (max)	5 h
Battery charge indicator	✓

Power

AC adapter power	330 W

Security

Cable lock slot	✓
Cable lock slot type	Kensington
Password protection	✓
Password protection type	BIOS, Supervisor, User

Weight & dimensions

Width	357.8 mm
Depth	278.7 mm
Height	26.9 mm
Weight *	2.6 kg

Packaging content

Cables included	AC

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