

Predator Helios Neo 16 PHN16-71-96JD Gaming Notebook

Model: PHN16-71-96JD
Part: NH.QLVEM.008

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Tech Specs

Support

Processor

Processor Manufacturer	Intel®
Processor Type	Core™ i9
Processor Model	i9-13900HX
Processor Speed	2.20 GHz
Processor Core	Tetracosa-core (24 Core™)
Processor Generation	13th Gen

Display & Graphics

Graphics Controller Manufacturer	NVIDIA®
Graphics Controller Model	GeForce RTX™ 4070
Graphics Memory Capacity	8 GB
Graphics Memory Technology	GDDR6
Graphics Memory Accessibility	Dedicated
GPU Boost Clock	Up to 1585 MHz
Maximum Graphics Power	Up to 140 W
Screen Size	40.6 cm (16")
Display Screen Type	LCD
Display Screen Technology	ComfyView (Matte) In-plane Switching (IPS) Technology
Touchscreen	No
Screen Resolution	2560 x 1600
Tearing Prevention Technology	NVIDIA G-SYNC™
Standard Refresh Rate	165 Hz
Display Features	100% sRGB Color Gamut
Aspect Ratio	16:10

Memory

Total Installed System Memory	16 GB
System Memory Technology	DDR5 SDRAM
Memory Card Reader	Yes
Memory Card Supported	microSD

Storage

Total Solid State Drive Capacity	1 TB
Solid State Drive Interface	PCIe NVMe
SSD Form Factor	M.2

Network & Communication

Wireless LAN Standard	IEEE 802.11ax
Ethernet Technology	Gigabit Ethernet

Built-in Devices

Microphone	Yes
Finger Print Reader	No
Number of Speakers	2

Interfaces/Ports

HDMI	Yes
Number of HDMI Outputs	1
DisplayPort	No
Number of USB 3.2 Gen 1 Type-A Ports	1
Number of USB 3.2 Gen 2 Type-A Ports	2
Number of USB 3.2 Gen 2 Type-C Ports	2
Total Number of USB Ports	5
Network (RJ-45)	Yes

Input Devices

Pointing Device Type	TouchPad
Keyboard	Yes
Keyboard Backlight	Yes
TouchPad Features	Microsoft Precision Touchpad Certification
Keyboard Features	RGB 4 Zones Backlight

Battery Information

Battery Chemistry	Lithium Ion (Li-Ion)
Maximum Battery Run Time	8 Hours
Battery Energy	90 Wh

Power Description

Maximum Power Supply Wattage	330 W
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Physical Characteristics

Weight (Approximate)	2.60 kg
Product Color	Black

Miscellaneous

Additional Information	OS Details: UEFI
Security Features	Kensington lock Firmware Trusted Platform Module (TPM) solution



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NVIDIA GPU Boost: <https://www.nvidia.com/en-us/geforce/technologies/gpu-boost/technology/>

Battery life may vary depending on model and configuration. Actual battery life varies by model, configuration (including storage capacity, RAM capacity, processor in use, display type and resolution, etc.), applications, power management settings, operating conditions, and utilized features.

Maximum Graphics Power is the highest GPU subsystem power supported in any mode, including Dynamic Boost 2.0 power transfer. The data listed is in accordance with NVIDIA guidelines and differs per system and GPU.

Specifications may vary depending on model and/or region.

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