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PREDATOR HELIOS 18

PH18-71-756U |
NH.QMJAA.001

PREDATOR HELIOS 18

PH18-71-76B3 |
NH.QMNAA.001

PREDATOR HELIOS 18

PH18-71-94F1 |
NH.QN6AA.001

Operating System

Operating System

Windows 11 Home

Operating System
Architecture

64-bit

Windows 11 Home

64-bit

Windows 11 Home

Show differences only

Processor

Processor Manufacturer	Intel®	Intel®	Intel®
Processor Type	Core™ i7	Core™ i7	Core™ i9
Processor Model	i7-13700HX	i7-13700HX	i9-13900HX
Processor Speed	2.10 GHz	2.10 GHz	2.20 GHz
Processor Core	Hexadeca-core (16 Core™)	Hexadeca-core (16 Core™)	Tetracosa-core (24 Core™)
Processor Generation	13th Gen	13th Gen	13th Gen

Display & Graphics

Graphics Controller Manufacturer	NVIDIA®	NVIDIA®	NVIDIA®
Graphics Card	GeForce RTX™ 4060	GeForce RTX™ 4070	GeForce RTX™ 4080
Graphics Memory Capacity	8 GB	8 GB	12 GB
Graphics Memory Technology	GDDR6	GDDR6	GDDR6
Graphics Memory Accessibility	Dedicated	Dedicated	Dedicated
Maximum Graphics Power	Up to 140 W	Up to 140 W	Up to 165 W
Screen Size	18"	18"	18"
Display Screen Type	LCD	LCD	LCD

Display Screen Technology	In-plane Switching (IPS) Technology ComfyView	In-plane Switching (IPS) Technology ComfyView	ComfyView (Matte) In-plane Switching (IPS) Technology
Backlight Technology	LED	LED	
Touchscreen	No	No	No
Screen Resolution	1920 x 1200	2560 x 1600	2560 x 1600
Tearing Prevention Technology			NVIDIA G-SYNC™
Standard Refresh Rate	165 Hz	165 Hz	250 Hz
Aspect Ratio	16:10	16:10	16:10

Memory

Memory	16 GB	16 GB	32 GB
System Memory Technology	DDR5 SDRAM	DDR5 SDRAM	DDR5 SDRAM
Memory Card Reader	Yes	Yes	Yes
Memory Card Supported	microSD	microSD	microSD

Storage

Total Solid State Drive Capacity	1 TB	1 TB	1 TB
Solid State Drive Interface	PCIe NVMe	PCIe NVMe	PCIe NVMe

Optical Drive Type

No

No

SSD Form Factor

M.2

M.2

M.2

Network & Communication

Wi-Fi Standard

IEEE 802.11 a/b/g/n/ac/ax

IEEE 802.11 a/b/g/n/ac/ax

IEEE 802.11ax

Wireless LAN Model

Wireless Wi-Fi 6E 1675i

Wireless Wi-Fi 6E 1675i

Ethernet Technology

Gigabit Ethernet

Gigabit Ethernet

Gigabit Ethernet

Bluetooth Standard

Bluetooth 5.1 or above

Bluetooth 5.2

Bluetooth 5.1 or above

Built-in Devices

Microphone

Yes

Yes

Yes

Finger Print Reader

No

No

No

Number of Speakers

2.0

Interfaces/Ports

HDMI

Yes

Yes

Yes

Number of HDMI Outputs

1

1

1

DisplayPort

No

Number of USB 3.2 Gen 1
Type-A Ports

1

1

1

Number of USB 3.2 Gen 2 Type-A Ports	2	2	2
Number of USB 3.2 Gen 2 Type-C Ports	2	2	2
Total Number of USB Ports	5	5	5
USB Type-C	Yes	Yes	Yes
USB Type-C Detail	USB Type-C port:USB 3.2 Gen 2 (up to 10 Gbps), DisplayPort over USB-C, Thunderbolt 4, USB charging 5 V; 3 A, DC-in port 20 V; 65 W	USB Type-C port:USB 3.2 Gen 2 (up to 10 Gbps), DisplayPort over USB-C, Thunderbolt 4, USB charging 5 V; 3 A, DC-in port 20 V; 65 W	USB Type-C port:USB 3.2 Gen 2 (up to 10 Gbps), DisplayPort over USB-C, Thunderbolt 4, USB charging 5 V; 3 A, DC-in port 20 V; 65 W
Network (RJ-45)	Yes	Yes	Yes

Input Devices

Pointing Device Type	TouchPad	TouchPad	TouchPad
Keyboard	Yes	Yes	Yes
Keyboard Backlight			Yes
Touchpad Features	Multi-touch Gesture Moisture Resistant Microsoft Precision Touchpad Certification Corning Gorilla Glass	Multi-touch Gesture Moisture Resistant Microsoft Precision Touchpad Certification Corning Gorilla Glass	Microsoft Precision Touchpad Certification
Keyboard Features			RGB Per Key Backlighting

Battery Information

Number of Cells	4-cell	4-cell	
Battery Chemistry	Lithium Ion (Li-Ion)	Lithium Ion (Li-Ion)	Lithium Ion (Li-Ion)
Maximum Battery Run Time	5 Hours	5 Hours	5 Hours
Battery Energy	90 Wh	90 Wh	90 Wh

Power Description

Maximum Power Supply Wattage	330 W	330 W	330 W
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Physical Characteristics

Height	1.15"	1.15"	1.14"
Height (Front)	1.07"	1.07"	
Height (Rear)	1.15"	1.15"	
Width	15.9"	15.9"	15.9"
Depth	12.3"	12.3"	12.3"
Weight (Approximate)	7.50 lb	7.50 lb	6.97 lb
Cover Color	Abyss Black	Abyss Black	Black

Miscellaneous

Package Contents

Predator Helios 18 PH18-71-756U Gaming Laptop
Lithium Ion Battery
AC Adapter
Sleeve

Predator Helios 18 PH18-71-76B3 Gaming Laptop
Lithium Ion Battery
AC Adapter
Sleeve

Predator Helios 18 PH18-71-94F1 Gaming Laptop
Lithium Ion Battery
AC Adapter
Power Cord

Trusted Platform Module (Security Features)

Firmware Trusted Platform Module (TPM) solution
Kensington lock slot
BIOS Passwords:

- User
- Supervisor
- HDD

Firmware Trusted Platform Module (TPM) solution
Kensington lock slot
BIOS Passwords:

- User
- Supervisor
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