



**Acer Predator PH16-72-98EW Intel® Core™ i9 i9-14900HX Laptop  
40.6 cm (16") WQXGA 16 GB DDR5-SDRAM 1 TB SSD NVIDIA  
GeForce RTX 4080 Wi-Fi 7 (802.11be) Windows 11 Home Black**

**Brand :** Acer

**Product family:** Predator

**Product code:** NH.QNZEK.003

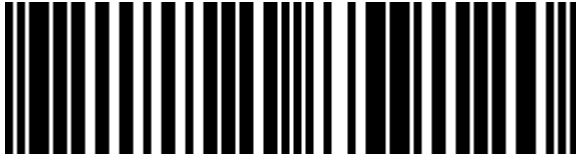
**Product name :** PH16-72-98EW



- Windows 11 Home 64-bit  
- Intel Core i9-14900HX (36MB Cache)  
- 40.6 cm (16") WQXGA 2560 x 1600 IPS, NVIDIA GeForce RTX 4080 (12GB GDDR6)  
- 16GB DDR5-SDRAM & 1000GB SSD  
Intel Core i9-14900HX (36MB Cache), 16GB DDR5-SDRAM, 1000GB SSD, 40.6 cm (16") WQXGA 2560 x 1600 IPS, Intel UHD Graphics, NVIDIA GeForce RTX 4080 (12GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home 64-bit  
Acer Predator PH16-72-98EW. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i9, Processor model: i9-14900HX. Display diagonal: 40.6 cm (16"), HD type: WQXGA, Display resolution: 2560 x 1600 pixels. Internal memory: 16 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics, Discrete graphics card model: NVIDIA GeForce RTX 4080. Operating system installed: Windows 11 Home. Product colour: Black

Design		Graphics	
Product type *	Laptop	On-board graphics card *	✓
Product colour *	Black	On-board GPU manufacturer	Intel
Form factor *	Clamshell	Discrete graphics card *	✓
Market positioning	Gaming	On-board graphics card family	Intel® UHD Graphics
Display		On-board graphics card model *	Intel® UHD Graphics
Display diagonal *	40.6 cm (16")	Audio	
Display resolution *	2560 x 1600 pixels	Audio system	DTS:X Ultra
Touchscreen *	✗	Number of built-in speakers	2
HD type	WQXGA	Built-in microphone	✓
Panel type	IPS	Camera	
Display technology marketing name	ComfortView	Front camera	✓
LED backlight	✓	Network	
Native aspect ratio	16:10	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Display surface	Matt	Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), Wi-Fi 7 (802.11be), 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 6E (802.11ax)
Maximum refresh rate	240 Hz	Mobile network connection *	✗
Processor		Antenna type	2x2
Processor manufacturer *	Intel	WLAN controller model	Killer Wi-Fi 7 BE1750
Processor family *	Intel® Core™ i9	WLAN controller manufacturer	Killer
Processor generation	Intel® Core™ i9 (14th gen)	Ethernet LAN	✓
Processor model *	i9-14900HX	Ethernet LAN data rates	10,100,1000 Mbit/s
Processor cores	24	Bluetooth	✓
Processor threads	32	Ports & interfaces	
Processor boost frequency	5.8 GHz	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Performance cores	8	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Efficient cores	16	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2
Performance-core Max Turbo Frequency	5.8 GHz	Ethernet LAN (RJ-45) ports	1
Efficient-core Max Turbo Frequency	4.1 GHz	HDMI ports quantity *	1
Performance-core base frequency	2.2 GHz		
Efficient-core base frequency	1.6 GHz		
Processor cache	36 MB		
Processor cache type	Smart Cache		
Processor base power	55 W		

Processor		Ports & interfaces	
Maximum turbo power	157 W	Combo headphone/mic port	✓
Memory		Charging port type	DC-in jack
Internal memory *	16 GB	Keyboard	
Internal memory type	DDR5-SDRAM	Pointing device	Touchpad
Storage		Numeric keypad *	✓
Total storage capacity *	1 TB	Keyboard backlit	✓
Storage media *	SSD	Keyboard backlit colour	RGB
Total SSDs capacity	1 TB	Software	
Number of SSDs installed	1	Operating system architecture	64-bit
SSD capacity	1 TB	Operating system installed *	Windows 11 Home
SSD interface	PCI Express	Battery	
NVMe	✓	Battery technology	Lithium-Ion (Li-Ion)
SSD form factor	M.2	Battery capacity *	90 Wh
Optical drive type *	✗	Battery life (max)	5 h
Card reader integrated	✓	Power	
Compatible memory cards	MicroSD (TransFlash)	AC adapter power	330 W
Graphics		Security	
Discrete graphics card model *	NVIDIA GeForce RTX 4080	Cable lock slot	✓
Discrete graphics card memory	12 GB	Cable lock slot type	Kensington
Discrete graphics memory type	GDDR6	Password protection	✓
		Password protection type	BIOS, Supervisor, User
		Weight & dimensions	
		Width	357.8 mm
		Depth	277.6 mm
		Height	26.9 mm
		Weight *	2.65 kg
		Packaging content	
		AC adapter included *	✓



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