Acer Predator Helios 300 PH315-54-71YM Intel® Core™ i7 i7-11800H Laptop 39.6 cm (15.6") Quad HD 16 GB DDR4-SDRAM 512 GB SSD NVIDIA GeForce RTX 3070 Wi-Fi 6 (802.11ax) Windows 10 Home Black

Brand : Acer **Product family:** Predator **Product code:** NH.QC1EH.004

Product name :
PH315-54-71YM

Acer Predator Helios 300 PH315-54-71YM. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-11800H, Processor frequency: 2.3 GHz. Display diagonal: 39.6 cm (15.6"), HD type: Quad HD, Display resolution: 2560 x 1440 pixels. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics. Operating system installed: Windows 10 Home. Product colour: Black

Design	
Colour name	Abyss Black
Product type *	Laptop
Product colour *	Black
Form factor *	Clamshell
Market positioning	Gaming
Display	
Display diagonal *	39.6 cm (15.6")
Display resolution *	2560 x 1440 pixels
Touchscreen *	✗
HD type	Quad HD
Panel type	IPS
LED backlight	✓
Native aspect ratio	16:9
Maximum refresh rate	165 Hz
Processor	
Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	11th gen Intel® Core™ i7
Processor model *	i7-11800H
Processor cores	8
Processor boost frequency	4.6 GHz
Processor frequency *	2.3 GHz
Processor cache	24 MB
Processor cache type	Smart Cache
Memory	
Internal memory *	16 GB
Internal memory type	DDR4-SDRAM
Memory form factor	SO-DIMM
Memory layout (slots x size)	2 x 8 GB
Memory slots	2x SO-DIMM
Maximum internal memory *	32 GB
Storage	
Total storage capacity *	512 GB
Storage media *	SSD
Total SSDs capacity	512 GB
Number of SSDs installed	1
SSD capacity	512 GB
SSD interface	PCI Express

Audio	
Number of microphones	2
Camera	
Front camera	✓
Front camera resolution	1280 x 720 pixels
Front camera HD type	HD
Network	
Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)
Mobile network connection *	✗
Antenna type	2x2
WLAN controller model	Killer 1650i
Ethernet LAN	✓
Ethernet LAN data rates	10,100,1000 Mbit/s
Bluetooth	✓
Bluetooth version	5.1
Ports & interfaces	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity *	1
Mini DisplayPorts quantity	1
Combo headphone/mic port	✓
Charging port type	DC-in jack
Keyboard	
Pointing device	Touchpad
Keyboard language	Belgian
Numeric keypad *	✓
Keyboard backlit	✓
Software	
Operating system architecture	64-bit
Operating system installed *	Windows 10 Home

Storage	
Optical drive type *	✗

Graphics	
Discrete GPU manufacturer	NVIDIA
Discrete graphics card model *	NVIDIA GeForce RTX 3070
Discrete graphics card memory	8 GB
Discrete graphics memory type	GDDR6
On-board graphics card *	✓
On-board GPU manufacturer	Intel
Discrete graphics card *	✓
On-board graphics card family	Intel® UHD Graphics
On-board graphics card model *	Intel® UHD Graphics

Audio	
Number of built-in speakers	2
Built-in microphone	✓

Battery	
Battery technology	Lithium-Ion (Li-Ion)
Number of battery cells	4
Battery capacity *	59 Wh

Power	
AC adapter power	230 W

Security	
Cable lock slot	✓
Cable lock slot type	Kensington
Trusted Platform Module (TPM)	✓
Password protection	✓
Password protection type	BIOS, HDD, Supervisor, User

Weight & dimensions	
Width	363 mm
Depth	255 mm
Height	22.9 mm
Weight *	2.5 kg

Logistics data	
Harmonized System (HS) code	84713000

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