



Acer Predator Helios 300 PH315-55 Laptop 39.6 cm (15.6") Full HD Intel® Core™ i7 i7-12700H 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 3060 Wi-Fi 6E (802.11ax) Windows 11 Home Black

Brand : Acer

Product family: Predator

Product code: NH.QGPEK.001

Product name : PH315-55



- Windows 11 Home 64-bit
 - Intel Core i7-12700H processor Tetradeca-core 2.30 GHz
 - 39.6 cm (15.6") Full HD (1920 x 1080) 16:9 IPS 165 Hz
 - 16 GB, DDR5 SDRAM
 - 1 TB SSD
 - NVIDIA GeForce RTX 3060 with 6 GB dedicated memory
- 15.6", IPS, 1920 x 1080, 2.30 GHz, 16 GB DDR5 SDRAM, 1 TB SSD, IEEE 802.11 a/b/g/n/ac/ax, Bluetooth 5.2

Acer Predator Helios 300 PH315-55. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-12700H, Processor frequency: 2.3 GHz. Display diagonal: 39.6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 16 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel Iris Xe Graphics. Operating system installed: Windows 11 Home. Product colour: Black



Design		Camera	
Product type *	Laptop	Front camera HD type	Full HD
Product colour *	Black	Network	
Form factor *	Clamshell	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Market positioning	Gaming	Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax), Wi-Fi 6E (802.11ax)
Display		Mobile network connection *	✗
Display diagonal *	39.6 cm (15.6")	WLAN controller model	Killer Wi-Fi 6E 1675i
Display resolution *	1920 x 1080 pixels	WLAN controller manufacturer	Killer
Touchscreen *	✗	Ethernet LAN	✓
HD type	Full HD	Ethernet LAN data rates	10,1000,100 Mbit/s
Panel type	IPS	Bluetooth	✓
LED backlight	✓	Bluetooth version	5.2
Native aspect ratio	16:9	Ports & interfaces	
Display surface	Matt	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Display diagonal (metric)	39.6 cm	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Maximum refresh rate	165 Hz	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Processor		Ethernet LAN (RJ-45) ports	1
Processor manufacturer *	Intel	HDMI ports quantity *	1
Processor generation	12th gen Intel® Core™ i7	Headphone outputs	1
Processor family *	Intel® Core™ i7	Combo headphone/mic port	✓
Processor model *	i7-12700H	Keyboard	
Processor frequency *	2.3 GHz	Pointing device	Touchpad
Processor boost frequency	4.7 GHz	Keyboard layout	QWERTY
Processor cores	14	Keyboard language	UK English
Processor cache	24 MB	Numeric keypad *	✓
Processor cache type	Smart Cache	Keyboard backlight	✓
Configurable TDP-down	35 W	Software	
Memory		Operating system architecture	64-bit
Internal memory *	16 GB	Operating system installed *	Windows 11 Home
Internal memory type	DDR5-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		Processor special features	
Total storage capacity *	1 TB	Intel Flex Memory Access	✓
Storage media *	SSD	Intel Trusted Execution Technology	✓
Total SSDs capacity	1 TB	Intel VT-x with Extended Page Tables (EPT)	✓
Number of SSDs installed	1	Execute Disable Bit	✓
SSD capacity	1 TB	CPU configuration (max)	1
SSD interface	PCI Express	Embedded options available	✗
Optical drive type *	✗	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Card reader integrated	✗	Intel Virtualization Technology (VT-x)	✓
Graphics		Battery	
Discrete GPU manufacturer	NVIDIA	Battery technology	Lithium-Ion (Li-Ion)
Discrete graphics card model *	NVIDIA GeForce RTX 3060	Number of battery cells	4
On-board graphics card *	✓	Battery capacity *	90 Wh
On-board GPU manufacturer	Intel	Battery life (max)	6 h
Discrete graphics card *	✓	Power	
On-board graphics card family	Intel Iris Xe Graphics	AC adapter power	280 W
On-board graphics card model *	Intel Iris Xe Graphics	Security	
On-board graphics card 4K support	✓	Cable lock slot	✓
On-board graphics card 6K support	✓	Cable lock slot type	Kensington
Discrete graphics card memory	6 GB	Fingerprint reader	✗
Discrete graphics memory type	GDDR6	Trusted Platform Module (TPM)	✓
NVIDIA G-SYNC	✓	Password protection	✓
CUDA	✓	Password protection type	BIOS, Supervisor, User
CUDA cores	4864	Weight & dimensions	
Audio		Width	359.4 mm
Number of built-in speakers	2	Depth	276.4 mm
Built-in microphone	✓	Height	25.9 mm
Number of microphones	2	Height (front)	2.49 cm
Camera		Height (rear)	2.59 cm
Front camera	✓	Weight *	2.6 kg
Front camera resolution	1920 x 1080 pixels	Packaging content	
		Cables included	AC



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