



**Acer Predator Helios 300 PH315-53-72XD Intel® Core™ i7
i7-10750H Laptop 39.6 cm (15.6") Full HD 16 GB DDR4-SDRAM 512
GB SSD NVIDIA® GeForce RTX™ 2060 Wi-Fi 6 (802.11ax) Windows
10 Home Black QWERTY English**

Brand : Acer

Product family: Predator

Product code: NH.Q7YAA.004

Product name :
PH315-53-72XD

- Windows 10 Home 64-bit
- Intel Core i7-10750H (12MB Cache, 2.6GHz)
- 39.6 cm (15.6") Full HD 1920 x 1080 IPS, NVIDIA GeForce RTX 2060 (6GB GDDR6)
- 16GB DDR4-SDRAM & 512GB SSD
Intel Core i7-10750H (12MB Cache, 2.6GHz), 16GB DDR4-SDRAM, 512GB SSD, 39.6 cm (15.6") Full HD 1920 x 1080 IPS, Intel UHD Graphics, NVIDIA GeForce RTX 2060 (6GB GDDR6), LAN, WLAN, Webcam, Windows 10 Home 64-bit
Acer Predator Helios 300 PH315-53-72XD. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-10750H, Processor frequency: 2.6 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: 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		Network	
Product type *	Laptop	Ethernet LAN	✓
Product colour *	Black	Ethernet LAN data rates	10,100,1000 Mbit/s
Form factor *	Clamshell	Bluetooth	✓
Market positioning	Gaming	Bluetooth version	5.0
Display		Ports & interfaces	
Display diagonal *	39.6 cm (15.6")	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
Display resolution *	1920 x 1080 pixels	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Touchscreen *	✗	Ethernet LAN (RJ-45) ports	1
HD type	Full HD	HDMI ports quantity *	1
Panel type	IPS	Mini DisplayPorts quantity	1
LED backlight	✓	Headphone outputs	1
Native aspect ratio	16:9	Combo headphone/mic port	✓
Maximum refresh rate	144 Hz		
Processor		Keyboard	
Processor manufacturer *	Intel	Pointing device	Touchpad
Processor family *	Intel® Core™ i7	Numeric keypad *	✓
Processor generation	10th gen Intel® Core™ i7	Keyboard backlit	✓
Processor model *	i7-10750H	Keyboard layout	QWERTY
Processor cores	6	Keyboard language	English
Processor threads	12		
Processor boost frequency	5 GHz		
Processor frequency *	2.6 GHz		
System bus rate	8 GT/s		
Processor cache	12 MB		
Processor cache type	Smart Cache		
Processor socket	BGA 1440		
Processor lithography	14 nm		
Processor operating modes	64-bit		
Processor codename	Comet Lake		
Thermal Design Power (TDP)	45 W		
Configurable TDP-down	35 W		
Tjunction	100 °C		
		Software	
		Operating system architecture	64-bit
		Operating system installed *	Windows 10 Home
		Processor special features	
		Intel® Identity Protection Technology (Intel® IPT)	✓
		Intel® Hyper Threading Technology (Intel® HT Technology)	✓
		Enhanced Intel SpeedStep Technology	✓
		Intel® Quick Sync Video Technology	✓
		Intel Flex Memory Access	✓

Processor		Processor special features	
Maximum number of PCI Express lanes	16	Intel® AES New Instructions (Intel® AES-NI)	✓
PCI Express slots version	3.0	Intel Trusted Execution Technology	✗
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel VT-x with Extended Page Tables (EPT)	✓
Memory		Intel® Secure Key	✓
Internal memory *	16 GB	Intel Stable Image Platform Program (SIPP)	✗
Internal memory type	DDR4-SDRAM	Intel® OS Guard	✓
Memory form factor	SO-DIMM	Intel Software Guard Extensions (Intel SGX)	✓
Memory slots	2x SO-DIMM	Intel 64	✓
Maximum internal memory *	32 GB	Execute Disable Bit	✓
Storage		Idle States	✓
Total storage capacity *	512 GB	Thermal Monitoring Technologies	✓
Storage media *	SSD	Processor package size	42 x 28 mm
Total SSDs capacity	512 GB	Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0
Number of SSDs installed	1	CPU configuration (max)	1
SSD capacity	512 GB	Embedded options available	✗
SSD interface	PCI Express	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Optical drive type *	✗	Intel Virtualization Technology (VT-x)	✓
Card reader integrated	✗	Processor ARK ID	201837
Graphics		Battery	
Discrete graphics card model *	NVIDIA® GeForce RTX™ 2060	Battery technology	Lithium-Ion (Li-Ion)
Discrete graphics card memory	6 GB	Number of battery cells	4
Discrete graphics memory type	GDDR6	Battery capacity *	59 Wh
On-board graphics card *	✓	Battery life (max)	6 h
Discrete graphics card *	✓	Power	
On-board graphics card family	Intel® UHD Graphics	AC adapter power	230 W
On-board graphics card model *	Intel® UHD Graphics	USB Type-C charging port *	✓
On-board graphics card base frequency	350 MHz	Security	
On-board graphics card dynamic frequency (max)	1150 MHz	Cable lock slot	✓
On-board graphics card DirectX version	12.0	Cable lock slot type	Kensington
On-board graphics card OpenGL version	4.5	Trusted Platform Module (TPM)	✓
On-board graphics card ID	0x9BC4	Password protection	✓
Audio		Password protection type	BIOS, HDD, Supervisor, User
Number of built-in speakers	2	Weight & dimensions	
Built-in microphone	✓	Width	363.4 mm
Number of microphones	2	Depth	255 mm
Camera		Height	22.9 mm
Front camera	✓	Height (front)	2.24 cm
Front camera resolution	1280 x 720 pixels	Height (rear)	2.29 cm
Front camera HD type	HD	Weight *	2.5 kg
Network		Packaging content	
Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)	Cables included	AC
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		



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Catalog Object Cloud



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