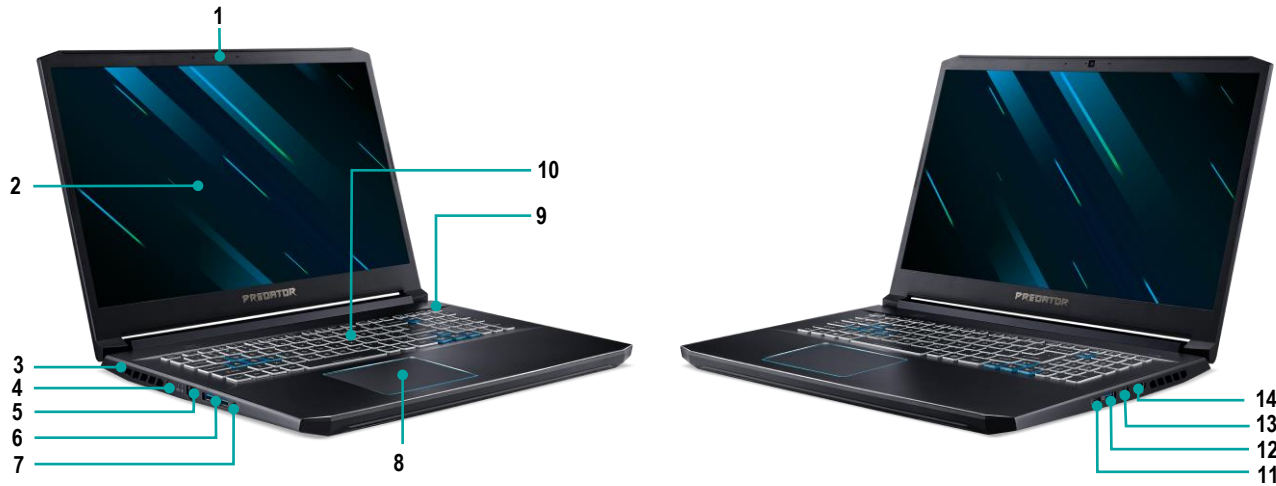




PREDATOR Helios 300

PH317-53





Product views	1. Webcam and microphones 2. 17.3" LCD display 3. Kensington lock slot 4. Power connector (DC-in) 5. Ethernet (RJ-45) port 6. Two USB 3.1 Gen 1 ports 7. Headset/speaker jack 8. Touchpad	9. Power button 10. Backlit keyboard 11. USB Type-C™ port (USB 3.1 Gen 1)	12. USB 3.1 Gen 2 port with power-off charging 13. Mini DisplayPort™ 14. HDMI® port
Operating system^{1,2}	Windows 10 Home 64-bit		
CPU and chipset¹	Intel® Core™ i7-9750H processor Intel® Core™ i5-9300H processor Intel® Core™ i7-8750H processor	Intel® Core™ i5-8300H processor Intel® HM370 Mobile PCH chipset	
Memory^{1, 3, 4, 5}	Dual-channel DDR4 SDRAM support: • Up to 16 GB of DDR4 system memory, upgradable to 32 GB using two soDIMM modules		
Display⁶	17.3" display with IPS (In-Plane Switching) technology, Full HD 1920 x 1080, high-brightness (300 nits) Acer ComfyView™ LED-backlit TFT LCD, supporting 144 Hz, 3 ms Overdrive • 16:9 aspect ratio, NTSC 72% • Wide viewing angle up to 170 degrees • Slim and narrow border design • Mercury free, environment friendly	17.3" display with IPS (In-Plane Switching) technology, Full HD 1920 x 1080, high-brightness (300 nits) Acer ComfyView™ LED-backlit TFT LCD • 16:9 aspect ratio, NTSC 72% • Wide viewing angle up to 170 degrees • Slim and narrow border design • Mercury free, environment friendly	
Graphics¹	NVIDIA® GeForce RTX™ 2070 with Max-Q Design and 8 GB of dedicated GDDR6 VRAM NVIDIA® GeForce RTX™ 2060 with 6 GB of dedicated GDDR6 VRAM NVIDIA® GeForce® GTX 1660 Ti with 6 GB of dedicated GDDR6 VRAM		
Audio	• Waves MaxxAudio® sound technology • Acer Purified.Voice technology with two built-in microphones • Acer TrueHarmony technology for lower distortion, wider frequency range, headphone-like audio and powerful sound	• Compatible with Cortana with Voice • Certified for Skype for Business • Two built-in stereo speakers	
Storage^{1,7}	Solid state drive: • 256 GB / 512 GB / 1 TB, 2D NVMe, RAID 0 SSD • 128 GB / 256 GB / 512 GB / 1 TB, PCIe Gen 3, 8 Gb/s up to 4 lanes, NVMe	Hard disk drive: • Optional 2 nd HDD: 1 / 2 TB, 2.5-inch 5400 RPM or 1 TB, 2.5-inch 7200 RPM	
Webcam¹	HD webcam with 1280 x 720 resolution, 720p HD audio/video recording and Super high dynamic range imaging (SHDR)		
Wireless and networking¹	WLAN: • Killer™ Wireless-AC 1550 / 1550i • 802.11a/b/g/n/ac wireless LAN • Dual Band (2.4 GHz and 5 GHz) • 2x2 MU-MIMO technology • Support Bluetooth® 5.0	LAN: • Killer™ Ethernet E2500 • Gigabit Ethernet • Wake-on-LAN ready	
Privacy control¹	BIOS user, supervisor, HDD passwords Kensington lock slot		
Dimensions and weight^{8,9}	Dimensions: 403.5 (W) x 280 (D) x 24.7 (H) mm (15.89 x 11.02 x 0.97 inches) Weight: • 2.93 kg (6.46 lbs.) with 4-cell battery pack (One HDD and one SSD) • 2.83 kg (6.24 lbs.) with 4-cell battery pack (One SSD)		
Power adapter and battery¹⁰	Power adapter: 3-pin 180 W AC adapter Battery: 58.7 Wh 3815 mAh 15.4 V 4-cell Li-ion battery pack Battery life up to 6 hours		
Input and control	Control Keys: Turbo key Keyboard: 103-/104-/107-key FineTip RGB-backlit keyboard with independent standard numeric keypad, international language support	Touchpad: Multi-gesture touchpad, supporting two-finger scroll; pinch; gestures to open Cortana, Action Center, multitasking; application commands • Microsoft Precision Touchpad certification • Moisture resistant	
Windows Desktop Apps¹¹	• PredatorSense • Acer Product Registration • Acer Collection Quick Access		

1. Specifications vary depending on model.	7. 1 GB is 1 billion bytes. Actual formatted capacity is less and may vary depending on preloaded materials and operating environment. Acer Recovery Management uses a portion of the stated hard disk capacity as dedicated backup space.
2. 64-bit software is required to enjoy the advantages of 64-bit processing.	8. Minor variations in system dimensions are possible due to the manufacturing process.
3. Shared system memory may be allocated to support graphics, depending on system memory size and other factors. Actual system memory available to the operating system will be reduced by any memory used by the graphics solution and resources required by the operating environment.	9. Weight may vary depending on product configuration, vendor components, manufacturing variability, and selected options.
4. Memory speed may vary, depending on the CPU, chipset or memory fitted.	10. Listed battery life is based on MobileMark 2014® productivity mode testing with wireless on. Details of MobileMark 2014 testing are available at www.bapco.com. Battery life rating is for comparison purposes only. Actual battery life varies by model, configuration, application, power management settings, operating conditions, and features used. A battery's maximum capacity decreases with time and use.
5. A 64-bit operating system is required to enjoy the ultimate performance of 4 GB or higher memory.	11. Bundled software may vary depending on hardware configuration, OS and regional availability.
6. All brands and product names mentioned herein include trademarks of their respective companies and are used solely to describe or identify the products.	

In a continuing effort to improve the quality of our products, information in this document is subject to change without notice. Images shown are only representations of some of the configurations available for this model. Availability may vary depending on region. As a phenomenon known to thin-film transistors (TFTs), liquid crystal displays (LCDs) commonly exhibit a small number of discoloration dots, as so-called "non-conforming pixels." This phenomenon is a limitation of TFT LCD technology, not a product defect, and as such is not covered by Acer's warranty.

© 2019. All rights reserved.
Microsoft and Windows are registered trademarks of Microsoft Corporation.
Ultrabook, Celeron, Celeron Inside, Core Inside, Intel, Intel Atom, Intel Atom Inside, Intel Core, Intel Inside, Intel Inside Logo, Intel vPro, Itanium, Itanium Inside, Pentium, Pentium Inside, vPro Inside, Xeon, Xeon Phi, Xeon Inside, and Intel Optane are trademarks of Intel Corporation or its subsidiaries in the U.S. and/or other countries.