



PREDATOR HELIOS 300



4th Gen AeroBlade™ 3D Technology



Killer DoubleShot™ Pro



Available Slots for 2x SSD + 1 HDD



PredatorSense™ Utility APP



Immersive Gaming Audio

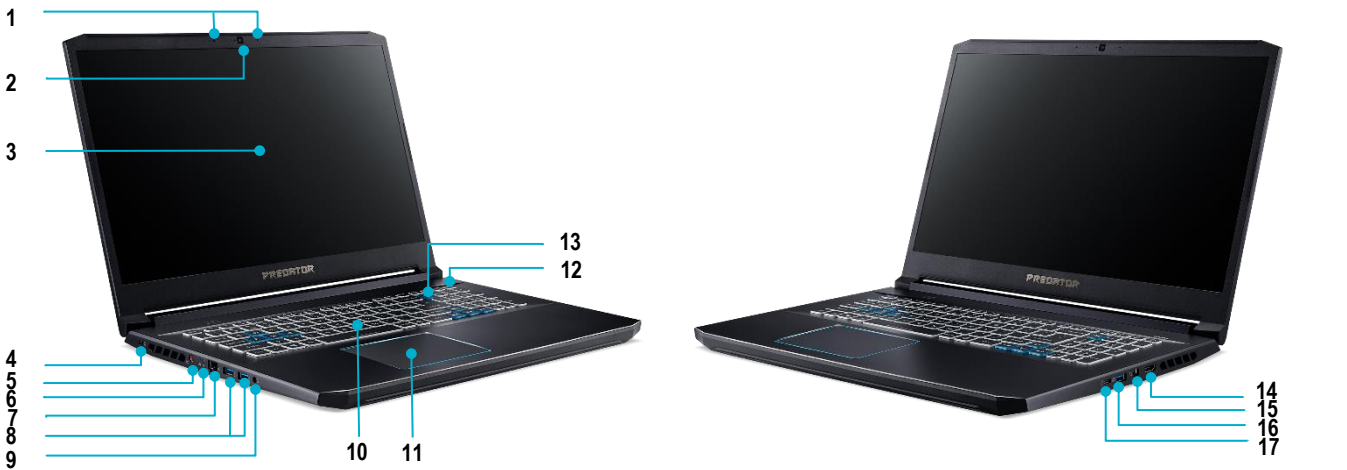


HDMI Port

SPECIFICATIONS

PREDATOR HELIOS 300

PH317-54



	1. Microphones	7. Ethernet (RJ-45) port	13. PredatorSense key
	2. Webcam	8. Two USB 3.2 Gen 1 ports	14. HDMI® port
	3. 17.3" LCD display	9. Headset/speaker jack	15. Mini DisplayPort™
	4. Kensington lock slot	10. Backlit keyboard	16. USB 3.2 Gen 2 port with power-off charging
	5. Power connector (DC-in)	11. Touchpad	17. USB Type-C™ port (USB 3.2 Gen 2)
	6. Battery indicator / Power indicator	12. Power button	
Operating system^{1,2}	Windows 10 Home 64-bit		
CPU and chipset¹	Intel® Core™ i7-10750H processor	Intel® Core™ i5-10300H processor	Intel® HM470 Mobile PCH chipset
Memory^{1,3,4,5}	Dual-channel DDR4 SDRAM support: <ul style="list-style-type: none"> Up to 16 GB of DDR4 system memory, upgradable to 32 GB using two soDIMM modules <small>(Notes: According to Intel PDR, 2933MHz are supported on CometLake platform)</small>		
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 240 Hz, 3 ms Overdrive <ul style="list-style-type: none"> 16:9 aspect ratio, sRGB 100% Wide viewing angle up to 170 degrees Ultra-slim 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, supporting 144 Hz, 3 ms Overdrive <ul style="list-style-type: none"> 16:9 aspect ratio, NTSC 72% Wide viewing angle up to 170 degrees Ultra-slim design Mercury free, environment friendly 	17.3" display with IPS (In-Plane Switching) technology, Full HD 1920 x 1080, Acer ComfyView™ LED-backlit TFT LCD <ul style="list-style-type: none"> 16:9 aspect ratio, supporting 120 Hz refresh rate. Wide viewing angle up to 170 degrees Ultra-slim 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 1650 Ti with 4G GDDR6 memory		
Audio	<ul style="list-style-type: none"> DTS® X:Ultra Audio, featuring optimized Bass, Loudness, Speaker Protection with up to 6 custom content modes by smart amplifier Supported in Windows Spatial Sound for PC Gaming with DTS license integrated Immersive audio rendering over headphones and internal speakers 	<ul style="list-style-type: none"> Acer Purified.Voice technology with dual built-in microphones. Features include far-field pickup, keystroke suppression, adaptive beam forming, and pre-defined personal and conference call modes. Compatible with Cortana with Voice Acer TrueHarmony technology for lower distortion, wider frequency range, headphone-like audio and powerful sound 	
Storage^{1,7}	Solid state drive: <ul style="list-style-type: none"> 2 TB / 1 TB / 512 GB, NVMe, RAID 0 SSD 1 TB / 512 GB / 256 GB, PCIe Gen3, 8 Gb/s, NVMe 	Hard disk drive: <ul style="list-style-type: none"> 1 TB 2.5-inch 7200 RPM 2 TB / 1 TB 2.5-inch 5400 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: <ul style="list-style-type: none"> Killer™ Wi-Fi 6 AX1650i 802.11 a/b/g/n/ac/ax wireless LAN Dual Band (2.4 GHz and 5 GHz) 2x2 MU-MIMO technology Support Bluetooth® 5.0 	LAN: <ul style="list-style-type: none"> Killer™ Ethernet E2500 Gigabit Ethernet Wake On Lan support 	
Security	Firmware Trusted Platform Module (TPM) solution BIOS user, supervisor passwords	Kensington lock slot	
Dimensions and weight^{8,9}	Dimensions: 403.5 (W) x 280 (D) x 24.7 (H) mm (15.89x 11.02 x 0.97 inches) Weight: 2.9 kg (6.39 lbs.) with 4-cell battery pack, Full HD display		
Power adapter and battery¹⁰	ACPI 5.0 CPU power management standard: supports Standby and Hibernation power-saving modes Power adapter: <ul style="list-style-type: none"> 3-pin 180 W AC adapter Battery: 59 Wh 4-cell Li-ion battery (for models with Full HD Panel + HDD + SSD) Battery life up to 6.5 hours (based on web browsing test results) <small>(Notes: Battery life configuration: i7+EG1B+FHD+MEM 16GBx2+512GB SSD x2+ 1TB HDD)</small>		
Input and control	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 <ul style="list-style-type: none"> Microsoft Precision Touchpad certification Moisture resistant 	Media Keys Media control keys (printed on keyboard): play/pause, stop, previous, next, volume up, volume down Control Keys Turbo Key	
Windows Desktop Apps¹¹	<ul style="list-style-type: none"> PredatorSense Acer Product Registration 	<ul style="list-style-type: none"> Acer Care Center Acer Collection 	<ul style="list-style-type: none"> Quick Access
Warranty	One-year International Travelers Warranty (ITW)		
1.	Specifications vary depending on model.	8.	Minor variations in system dimensions are possible due to the manufacturing process.
2.	64-bit software is required to enjoy the advantages of 64-bit processing.	9.	Weight may vary depending on product configuration, vendor components, manufacturing variability, and selected options.
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.	10.	Listed battery life is based on testing using Web browsing. The test clip loops the loading of 50 selected websites using Microsoft Edge every 30 seconds, until the battery is drained. Stated battery life is for comparison purpose only. Actual battery life varies by model, configuration, applications, video chip format and features used. A battery's maximum capacity decreases with time and use. Battery life test configuration: 10th Gen Intel® Core™ i7, NVIDIA® GeForce RTX™ 2060, FHD, HDD + SSD, 32GB of DDR4 memory. Battery life test condition: 100 nits LCD brightness, 50% speaker volume, WLAN on, Bluetooth on, no WW direct internet connection.
4.	Memory speed may vary, depending on the CPU, chipset or memory fitted.	11.	Bundled software may vary depending on hardware configuration, OS and regional availability.
5.	A 64-bit operating system is required to enjoy the ultimate performance of 4 GB or higher memory.		
6.	All brands and product names mentioned herein include trademarks of their respective companies and are used solely to describe or identify the products.		
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.		

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.

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As Acer looks into the future, it is focused on enabling a world where hardware, software and services will fuse with one another.

Internet of Things to gaming and virtual reality, Acer's 7,000+ employees are dedicated to the research, design, marketing, sale, and support of our products. Visit acer.com for more information.