



PREDATOR HELIOS 500

PH517-51

FULL IGNITION

- 8th Gen Intel® Core™ i9 Processor
- 144Hz¹ Refresh Rate with NVIDIA® G-SYNC™
- NVIDIA® GeForce® GTX 1070 8 GB Graphics
- Dual AeroBlade™ 3D Fans

1. Specifications vary depending on model and/or region. All models subject to availability.



AeroBlade
3D Fan



NVIDIA®
GeForce®
GTX 1070



PredatorSense



Overclocking



G-SYNC



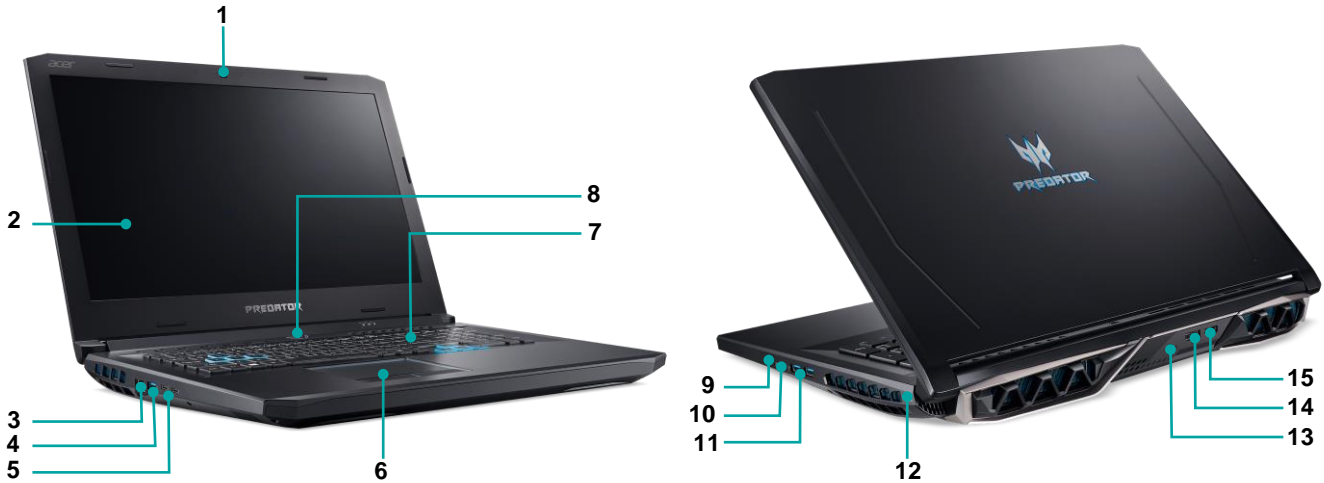
Backlit
RGB keyboard



144Hz Display



Killer
DoubleShot™ Pro



Product views	1. Webcam and microphones	5. Two Thunderbolt™ 3 / USB Type-C™ ports (USB 3.1 Gen 2)	8. Power button	12. Kensington lock slot
	2. 17.3" LCD display	6. Touchpad	9. Headset/speaker jack	13. Power connector (DC-in)
	3. Ethernet (RJ-45) port	7. Backlit keyboard	10. Mic-in jack	14. DisplayPort
	4. USB 3.0 port		11. Two USB 3.0 ports	15. HDMI™ port

Operating system^{1, 2}	Windows 10 Home 64-bit			
CPU and chipset¹	Intel® Core™ i9-8950HK 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 64 GB using four soDIMM modules			
Display^{1, 6}	17.3" display with IPS (In-Plane Switching) technology, Ultra HD 3840 x 2160, high-brightness (400 nits), high color gamut (Adobe 100% ratio), Acer ComfyView™ LED-backlit TFT LCD, Acer ColorBlast technology, supporting G-sync function. • 16:9 aspect ratio • Wide viewing angle up to 170 degrees • 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 and G-sync. • 16:9 aspect ratio • Wide viewing angle up to 170 degrees • Slim design • Mercury free, environment friendly		
Graphics¹	NVIDIA® GeForce® GTX 1070 with 8 GB of dedicated GDDR5 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 with subwoofer		
Storage^{1, 7}	Solid state drive • 1 TB / 512 GB, 2D, RAID 0, PCIe Gen3, 8 Gb/s up to 4 lanes, NVMe • 512 / 256 GB, PCIe Gen3, 8 Gb/s up to 4 lanes, NVMe • 512 / 256 / 128 GB, SATA 6 Gb/s	Hard disk drive • 2 TB / 1 TB 2.5-inch 5400 RPM		
Webcam¹	HD webcam with 1280 x 720 resolution and 720p HD audio/video recording, 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	WPAN • 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 weight⁸	Dimensions: 428 (W) x 298 (D) x 38.7 (H) mm (16.85 x 11.73 x 1.52 inches) Weight: 4 kg (8.82 lbs.) with 4-cell battery pack			
Power adapter and battery^{1, 9}	ACPI 5.0 CPU power management standard; supports Standby and Hibernation power-saving modes Power adapter: 3-pin 330 W AC adapter, 3-pin 230 W AC adapter Battery: 74 Wh 4810 mAh 15.4 V 4-cell Li-ion battery Battery life up to 3.5 hours			
Input and control	Control Keys: Power button Programmable key Keyboard: 103-/104-/107-key FineTip RGB-backlit keyboard with independent standard numeric keypad, international language support	Touchpad: Backlit multi-gesture touchpad with two buttons, supporting two-finger scroll; pinch; gestures to open Cortana, Action Center, multitasking; application commands • Microsoft Precision Touchpad certification		
Windows Desktop Apps¹⁰	• Acer Care Center • PredatorSense	• Acer Collection	• Quick Access	
Warranty	One-year International Travelers Warranty (ITW)			

1. Specifications vary depending on model.
 2. 64-bit software is required to enjoy the advantages of 64-bit processing.
 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.
 4. Memory speed may vary, depending on the CPU, chipset or memory fitted.
 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, 1 TB is 1000 GB. Actual formatted capacity is less and may vary depending on preloaded materials and operating environment. Recovery Management uses a portion of the stated hard disk capacity as dedicated backup space.
 8. Weight may vary depending on product configuration, vendor components, manufacturing variability, and selected options.
 9. 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.
 10. Bundled software may vary depending on hardware configuration, OS and regional availability.

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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