



Predator Helios 300

PH317-52

Ignite Fusion

- 8th Gen Intel® Core™ i7 Processor¹
- NVIDIA® GeForce® GTX 1060 Graphics¹
- Dual-Fan Cooling with Metal AeroBlade™ 3D¹
- Faster dual-band wireless connections

1. Specifications vary depending on model and/or region.



Up to 2X faster wireless



Reversible Type-C connector



Faster data transit



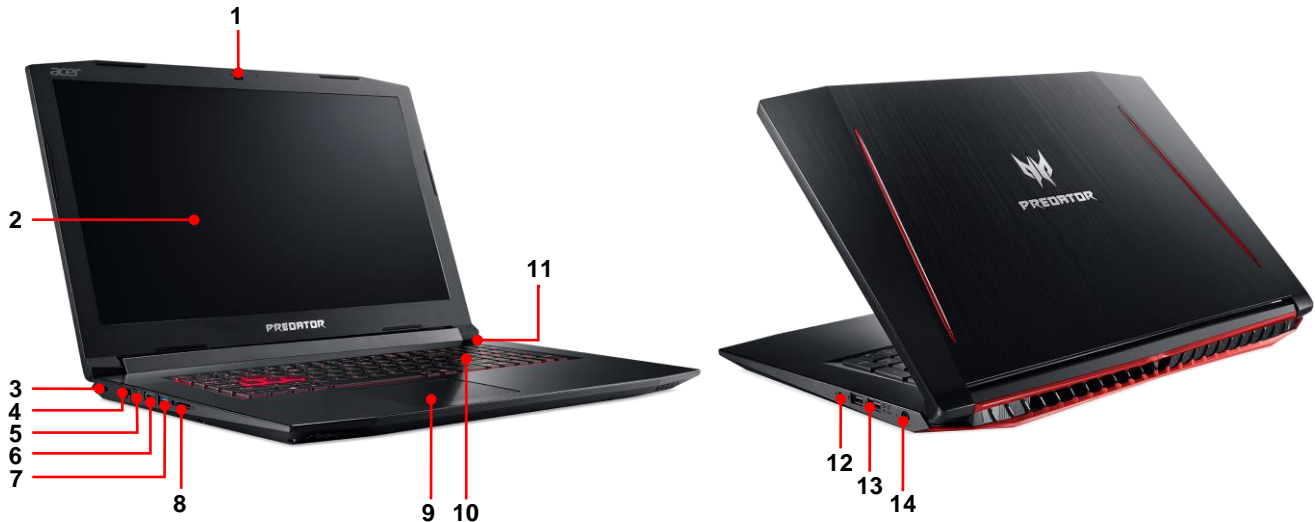
PredatorSense



Backlit Keyboard



AeroBlade 3D Fan



Product views	1. Webcam and microphones 2. 17.3" LCD display 3. Kensington lock slot 4. Ethernet (RJ-45) port 5. USB Type-C™ port (USB 3.1 Gen 1)	6. HDMI® 2.0 port 7. USB 3.0 port 8. SD card reader 9. Touchpad 10. Keyboard	11. Power button 12. Headset/speaker jack 13. Two USB 2.0 ports 14. Power connector (DC-in)
Operating system¹	Windows 10 Home 64-bit		
CPU and chipset¹	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 2666Ghz 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 refresh rate. • 16:9 aspect ratio, NTSC 72% • 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 • 16:9 aspect ratio, NTSC 72% • Wide viewing angle up to 170 degrees • Slim design • Mercury free, environment friendly	
Graphics¹	NVIDIA® GeForce® GTX 1060 with 6 GB of dedicated GDDR5 VRAM NVIDIA® GeForce® GTX 1050 Ti with 4 GB of dedicated GDDR5 VRAM Intel® UHD Graphics 630		
Audio	• Optimized Dolby® Audio Premium® sound enhancement • Acer TrueHarmony Plus technology for lower distortion, wider frequency range, headphone-like audio and powerful sound • Acer Purified.Voice technology with two built-in microphones.	• Compatible with Cortana with Voice • Certified for Skype for Business • Two built-in stereo speakers	
Storage^{1,7}	Solid state drive • 512 GB / 256 GB, PCIe Gen3, 8 Gb/s up to 4 lanes, NVMe • 512 / 256 / 128 GB, SATA 6 Gb/s • 16 GB, PCIe Gen3, 8 Gb/s up to 2 lanes, NVMe, supporting Intel® Optane™ Memory	Hard disk drive: • 1 TB 2.5-inch 7200 RPM • 2 / 1 TB 2.5-inch 5400 RPM Card Reader: • SD™ / SDXC™ card reader (accepts cards up to 128 GB capacity)	
Webcam¹	HD webcam with 1280 x 720 resolution and 720p HD audio/video recording		
Wireless and networking¹	WLAN: • Intel® Wireless-AC 9560, 802.11a/b/g/n/ac wireless LAN • Dual Band (2.4 GHz and 5 GHz) • 2x2 MU-MIMO technology • Supports Bluetooth® 5.0	WPAN: • Bluetooth® 5.0 LAN: • Gigabit Ethernet • Wake-on-LAN ready	
Privacy control¹	BIOS user, supervisor, HDD passwords Kensington lock slot		
Dimensions and weight⁸	Dimensions: • 432.3 (W) x 289.91 (D) x 29 (H) mm (17.02 x 11.41 x 1.14 inches)	Weight: • 3 kg (6.61 lbs.) with 4-cell battery pack (SSD+HDD) • 2.8 kg (6.17 lbs.) with 4-cell battery pack (SSD only)	
Power adapter and battery^{1,9}	ACPI 5.0 CPU power management standard: supports Standby and Hibernation power-saving modes Power adapter: • 3-pin 180 W AC adapter, • 3-pin 135 W AC adapter Battery: • 48 Wh 3220 mAh 15.2 V 4-cell Li-ion battery • Battery life up to 6 hours		
Input and control	Keyboard: 103-/104-/107-key FineTip backlit keyboard with independent standard numeric keypad, international language support and power button Touchpad: Multi-gesture touchpad, supporting two-finger scroll; pinch; gestures to open Cortana, Action Center, multitasking; application commands • Microsoft Precision Touchpad certification		
Windows Desktop Apps¹⁰	• Acer Care Center • Acer Configuration Manager • Acer Collection	• Acer Configuration Manager • Quick Access	• Acer Product Registration • PredatorSense
Warranty	One-year International Travelers Warranty (ITW)		
1.	Specifications vary depending on model.	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.
2.	64-bit software is required to enjoy the advantages of 64-bit processing.	8.	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.	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.
4.	Memory speed may vary, depending on the CPU, chipset or memory fitted.	10.	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.		

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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