



## PREDATOR HELIOS 300 NH.QATEC.001



4<sup>th</sup> Gen AeroBlade™ 3D  
Technology



Killer  
DoubleShot™ Pro



Available Slots  
for 2x SSD  
+ 1 HDD



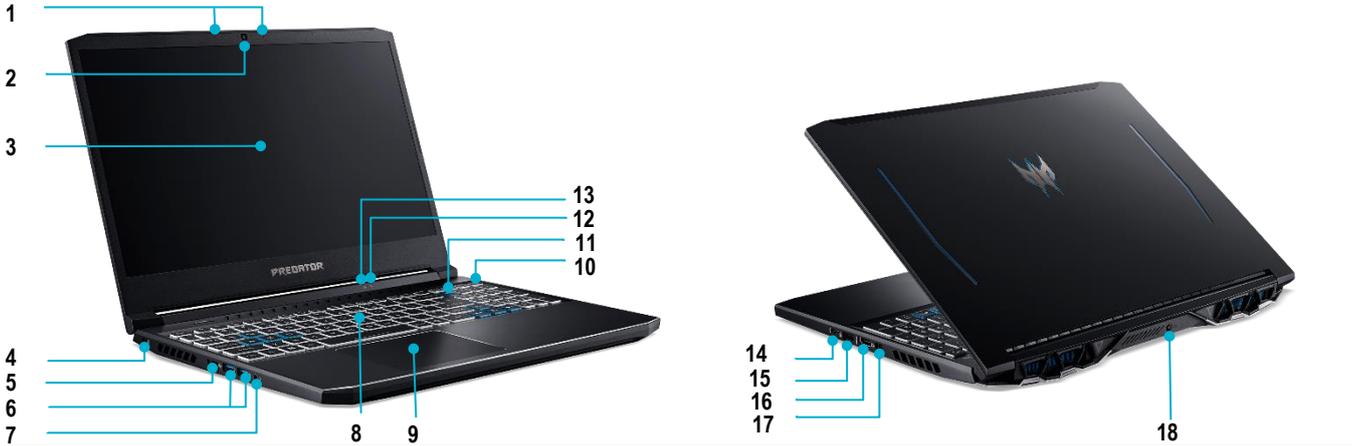
PredatorSense™  
Utility APP



Immersive  
Gaming Audio



HDMI Port



<b>Product views</b>	1. Microphones 2. Webcam 3. 15.6" LCD display 4. Kensington lock slot 5. Ethernet (RJ-45) port 6. Two USB 3.2 Gen 1 ports 7. Headset/speaker jack 8. Backlit keyboard 9. Touchpad 10. Power button 11. PredatorSense key 12. Power indicator 13. Battery indicator 14. USB Type-C™ port (USB 3.2 Gen 2) 15. USB 3.2 Gen 2 port with power-off charging 16. HDMI® port 17. Mini DisplayPort™ 18. Power connector (DC-in)
<b>Operating system<sup>1,2</sup></b>	Windows 10 Home 64-bit
<b>CPU and chipset<sup>1</sup></b>	Intel® Core™ i7-10870H processor
<b>Memory<sup>1,3,4,5</sup></b>	Dual-channel DDR4 SDRAM: ● 32 GB of DDR4 system memory, upgradable to 32 GB using two soDIMM modules (Notes: According to Intel_POR_2933MHz are supported on CometLake platform)
<b>Display<sup>6</sup></b>	15.6" 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 ● 16:9 aspect ratio, sRGB 100% ● Wide viewing angle up to 170 degrees ● Ultra-slim design ● Mercury free, environment friendly
<b>Graphics<sup>1,7</sup></b>	NVIDIA® GeForce® RTX™ 3070 with 8 GB of dedicated GDDR6 VRAM
<b>Audio</b>	<ul style="list-style-type: none"> <li>● DTS® X:Ultra Audio, featuring optimized Bass, Loudness, Speaker Protection with up to 6 custom content modes by smart amplifier</li> <li>● Supported in Windows Spatial Sound for PC Gaming with DTS license integrated</li> <li>● Immersive audio rendering over headphones and internal speakers</li> <li>● 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.</li> <li>● Compatible with Cortana with Voice</li> <li>● Acer TrueHarmony technology for lower distortion, wider frequency range, headphone-like audio and powerful sound</li> </ul>
<b>Storage<sup>1,8</sup></b>	<b>Solid state drive:</b> ● 1 TBX2, NVMe, RAID 0 SSD
<b>Webcam<sup>1</sup></b>	HD webcam with 1280 x 720 resolution, 720p HD audio/video recording and Super high dynamic range imaging (SHDR)
<b>Wireless and networking<sup>1</sup></b>	<b>WLAN:</b> <ul style="list-style-type: none"> <li>● Killer™ Wi-Fi 6 AX1650i</li> <li>● 802.11 a/b/g/n/ac/ax wireless LAN</li> <li>● Dual Band (2.4 GHz and 5 GHz)</li> <li>● 2x2 MU-MIMO technology</li> <li>● Support Bluetooth® 5.1</li> </ul> <b>LAN:</b> <ul style="list-style-type: none"> <li>● Killer™ Ethernet E2600</li> <li>● 10/100/1000 Mbps</li> <li>● Hibernation mode support</li> <li>● Wake On Lan support</li> <li>● IPv4 and IPv6 support</li> </ul>
<b>Security</b>	Firmware Trusted Platform Module (TPM) solution      BIOS user, supervisor passwords      Kensington lock slot
<b>Dimensions and weight<sup>9,10</sup></b>	<b>Dimensions:</b> 363.4 (W) x 255 (D) x 22.9 (H) mm (14.31 x 10.04 x 0.9 inches) <b>Weight:</b> ● 2.3 kg (5.07 lbs.) with 4-cell battery pack, one hard drive ● 2.2 kg (4.85 lbs.) with 4-cell battery pack, one SSD
<b>Power adapter and battery<sup>11</sup></b>	ACPI 5.0 CPU power management standard: supports Standby and Hibernation power-saving modes <b>Power adapter:</b> <ul style="list-style-type: none"> <li>● 3-pin 230 W 5.5 PHY AC adapter</li> <li>● 3-pin 180 W AC adapter</li> </ul> <b>Battery:</b> 59 Wh 4-cell Li-ion battery Up to 7 hours (based on web browsing test results)
<b>Input and control</b>	<b>Keyboard:</b> 103-/104-/107-key FineTip RGB-backlit keyboard with independent standard numeric keypad, international language support <b>Control Keys</b> Turbo Key <b>Touchpad:</b> Multi-gesture touchpad, supporting two-finger scroll; pinch; gestures to open Cortana, Action Center, multitasking; application commands ● Microsoft Precision Touchpad certification ● Moisture resistant
<b>Windows Desktop Apps<sup>12</sup></b>	● PredatorSense      ● Acer Care Center ● Acer Product Registration      ● Quick Access ● Planet9
<b>Warranty</b>	Three-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. Not all features indicated are supported on all SKUs.  
 8. 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.  
 9. Minor variations in system dimensions are possible due to the manufacturing process.  
 10. Weight may vary depending on product configuration, vendor components, manufacturing variability, and selected options.  
 11. 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® GTX 1650, FHD, HDD + SSD, 8GB of DDR4 memory. Battery life test condition: 100 nits LCD brightness, 50% speaker volume, WLAN on, Bluetooth on, no WW direct Internet connection. Bundled software may vary depending on hardware configuration, OS and regional availability.  
 12.

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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Founded in 1976, Acer is now one of the world's top ICT companies and has a presence in over 160 countries. As Acer looks into the future, it is focused on enabling a world where hardware, software and services will fuse with one another to open up new possibilities for consumers and businesses alike. From service-oriented technologies to the Internet of Things to gaming and virtual reality, Acer's 7,000+ employees are dedicated to the research, design, marketing, sale, and support of products and solutions that break barriers between people and technology. Please visit [www.acer.com](http://www.acer.com) for more information.