

# acer



## NITRO 5

 Windows 10



Dual M.2 Support  
+ One HDD Slot



Narrow Bezel



IPS Display



Fast Data  
Transit



Acer NitroSense  
& CoolBoost



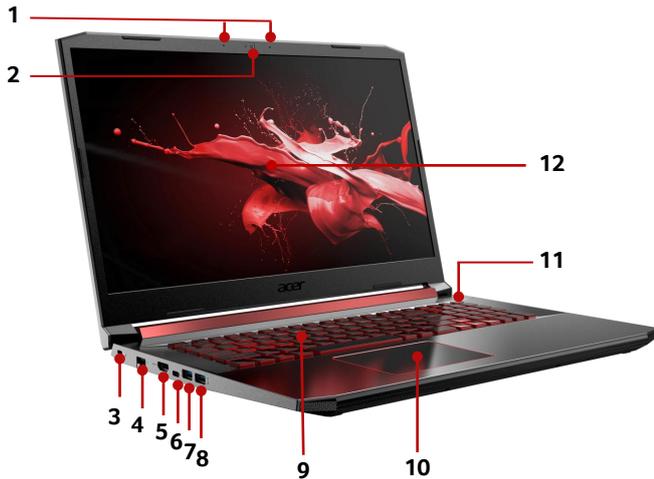
Killer™ Ethernet



HDMI Port

# SPECIFICATIONS

# NITRO



<b>Product views</b>	<ol style="list-style-type: none"> <li>Microphones</li> <li>Webcam</li> <li>Kensington lock slot</li> <li>Ethernet (RJ-45) port</li> <li>HDMI® 2.0 port</li> <li>USB Type-C™ port (USB 3.1 Gen 1)</li> </ol>	<ol style="list-style-type: none"> <li>USB 3.1 port</li> <li>USB 3.1 port with power-off charging</li> <li>Keyboard</li> <li>Touchpad</li> <li>Power button</li> <li>17.3" LCD display</li> </ol>	<ol style="list-style-type: none"> <li>Headset/speaker jack</li> <li>USB 2.0 port</li> <li>Power indicator</li> <li>Battery indicator</li> <li>Power connector (DC-in)</li> </ol>
<b>Operating system</b> <sup>1,2</sup>	Windows 10 Home 64-bit		
<b>CPU and chipset</b> <sup>1</sup>	<b>Intel® Core™ i7-9750H</b> processor <b>Intel® Core™ i7-8750H</b> processor	<b>Intel® Core™ i5-9300H</b> processor <b>Intel® Core™ i5-8300H</b> processor	Intel® HM370 Mobile PCH chipset
<b>Memory</b> <sup>1,3,4,5</sup>	Dual-channel DDR4 SDRAM support: ● Up to 16 GB of DDR4 system memory, upgradable to 32 GB using two soDIMM modules		
<b>Display</b> <sup>6</sup>	17.3" display with IPS (In-Plane Switching) technology, Full HD 1920 x1080, 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 x1080, 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	
<b>Graphics</b> <sup>1</sup>	<b>NVIDIA® GeForce® GTX 1660 Ti</b> with 6 GB of dedicated GDDR6 VRAM <b>NVIDIA® GeForce® GTX 1650</b> with 4 GB of dedicated GDDR5 VRAM	<b>NVIDIA® GeForce® GTX 1050</b> with 3 GB of dedicated GDDR5 VRAM	
<b>Audio</b>	● Waves MaxxBass® sound technology, featuring MaxxBass®, MaxxVolume®, MaxxDialog™ ● Acer Purified.Voice technology with two built-in microphones. Features include far-field pickup, keystroke suppression, voice tracking, adaptive beam forming, voice recognition enhancement, three pre-defined modes: voice recognition, personal call, conference call ● 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		
<b>Storage</b> <sup>1,7</sup>	<b>Solid state drive</b> ● 1 TB / 512 GB / 256 GB, 2D NVMe, RAID 0 SSD ● 512 GB / 256 GB, PCIe Gen3, 8 Gb/s up to 4 lanes, NVMe ● 128 GB, PCIe Gen3, 8 Gb/s, NVMe	<b>Hard disk drive</b> ● 2 TB / 1 TB 2.5-inch 5400 RPM	
<b>Webcam</b> <sup>1</sup>	<b>Video conferencing:</b> ● HD webcam with 1280 x 720 resolution and 720p HD audio/video recording. ● Super high dynamic range imaging (SHDR)		
<b>Wireless and networking</b> <sup>1</sup>	<b>WLAN</b> ● 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	<b>LAN</b> ● Realtek RTL8118ASA-CG ● Gigabit Ethernet ● Wake-on-LAN and 'RealWoW!' technology (remote wake-up) support ● Killer™ Ethernet E2500 ● Gigabit Ethernet ● Wake-on-LAN ready	
<b>Security</b>	BIOS user, supervisor, HDD passwords Kensington lock slot	Firmware Trusted Platform Module (TPM) solution	
<b>Dimensions and weight</b> <sup>8,9</sup>	<b>Dimensions:</b> 403 (W) x 280 (D) x 26.9 (H) mm (15.87 x 11.02 x 1.06 inches)	<b>Weight:</b> ● 2.7 kg (5.95 lbs.) with 4-cell battery pack, one hard drive ● 2.7 kg (5.95 lbs.) with 4-cell battery pack, one hard drive and one SSD ● 2.6 kg (5.73 lbs.) with 4-cell battery pack, solid state drive	
<b>Power adapter and battery</b> <sup>9,10</sup>	ACPI 5.0 CPU power management standard: supports Standby and Hibernation power-saving modes <b>Power adapter:</b> ● 3-pin 180 W AC adapter ● 3-pin 135 W AC adapter <b>Battery:</b> 55 Wh 3580 mAh 15.4 V 4-cell Li-ion battery pack(for models with Full HD Panel) Battery life up to 7 hours (based on MobileMark® 2014 test results) Battery life up to 6.5 hours (based on video playback test results) Battery life up to 8 hours (based on web browsing test results)		
<b>Input and control</b>	<b>Keyboard:</b> 103-/104-/107-key FineTip backlit keyboard with independent standard numeric keypad, international language support and power button <b>Touchpad:</b> Multi-gesture touchpad, supporting two-finger scroll; pinch; gestures to open Cortana, Action Center, multitasking; application commands ● Microsoft Precision Touchpad certification		
<b>Windows Desktop Apps</b> <sup>11</sup>	● Acer Product Registration ● NitroSense	● Acer Collection ● Quick Access	
<b>Warranty</b>	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. 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.  
 8. Minor variations in system dimensions are possible due to the manufacturing process.  
 9. Weight may vary depending on product configuration, vendor components, manufacturing variability, and selected options.  
 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.

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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## About Acer

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.