

acer



## NITRO 5



Dual M.2 Support  
+ One HDD Slot



Killer™ Ethernet  
E2600



Dual Fan with  
Quad Exhaust Port



Acer NitroSense  
& CoolBoost™



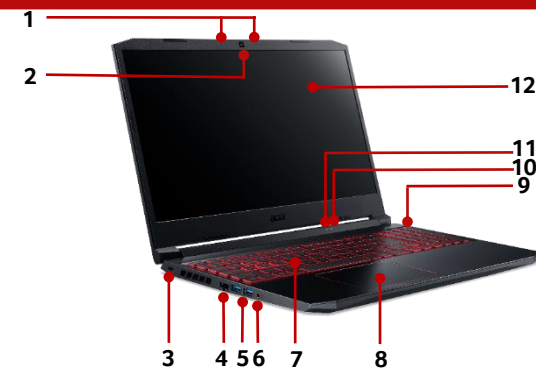
Immersive  
Gaming Audio



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>Two USB 3.2 Gen 1 ports</li> <li>Headset/speaker jack</li> <li>Keyboard</li> <li>Touchpad</li> <li>Power button</li> <li>Power indicator</li> <li>Battery indicator</li> <li>15.6" LCD display</li> </ol>	<ol style="list-style-type: none"> <li>USB Type-C™ port (USB 3.2 Gen 2)</li> <li>USB 3.2 Gen 2 port with power-off charging</li> <li>HDMI® port</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>AMD Ryzen™ 9 5900HX</b> octa-core processor <b>AMD Ryzen™ 7 5800H</b> octa-core processor	
<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>	15.6" display with IPS (In-Plane Switching) technology, Full HD 1920 x 1080, Acer ComfyView™ LED-backlit TFT LCD ● 16:9 aspect ratio, supporting 144 Hz refresh rate ● Wide viewing angle up to 170 degrees ● Ultra-slim design ● Mercury free, environment friendly	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 144 Hz, 3 ms Overdrive ● 16:9 aspect ratio, NTSC 72% ● Wide viewing angle up to 170 degrees ● Ultra-slim design ● Mercury free, environment friendly
	15.6" display with IPS (In-Plane Switching) technology, Full HD 1920 x 1080, Acer ComfyView™ LED-backlit TFT LCD ● 16:9 aspect ratio, 45% NTSC color gamut ● Wide viewing angle up to 170 degrees ● Ultra-slim design ● Mercury free, environment friendly	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 360 Hz, 2 ms Overdrive and G-sync ● 16:9 aspect ratio, sRGB 100% ● Wide viewing angle up to 170 degrees ● Ultra-slim design ● Mercury free, environment friendly
	15.6" display with IPS (In-Plane Switching) technology, QHD 2560 x 1440, high-brightness (300 nits) Acer ComfyView™ LED-backlit TFT LCD, supporting 165 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</b> <sup>1, 7</sup>	<b>NVIDIA® GeForce® RTX™ 3080</b> with 8 GB or 16 GB of dedicated GDDR6 VRAM <b>NVIDIA® GeForce® RTX™ 3070</b> with 8 GB of dedicated GDDR6 VRAM	<b>NVIDIA® GeForce® RTX™ 3060</b> with 6 GB of dedicated GDDR6 VRAM <b>NVIDIA® GeForce® GTX 1650</b> with 4 GB GDDR6 memory
<b>Audio</b>	● 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 ● Acer Purified. Voice technology with dual built-in microphones ● Compatible with Cortana with Voice ● Acer TrueHarmony technology for lower distortion, wider frequency range, headphone-like audio and powerful sound	
<b>Storage</b> <sup>1, 8, 9</sup>	<b>Solid state drive</b> ● 256 GB / 512 GB / 1 TB, PCIe Gen3, 8 Gb/s, NVMe	<b>Hard disk drive</b> ● 1 TB / 2 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 Wi-Fi 6 AX200 ● 802.11a/b/g/n/ac/2+ax wireless LAN ● Dual Band (2.4 GHz and 5 GHz) ● 2x2 MU-MIMO technology ● Supports Bluetooth® 5.1 ● Wi-Fi PCIe interface	<b>LAN</b> ● Killer™ Ethernet E2600 ● 10/100/1000 Mbps ● Hibernation mode support ● Wake On Lan support ● IPv4 and IPv6 support
<b>Privacy control</b> <sup>1</sup>	BIOS user, supervisor, HDD passwords	
<b>Security</b>	Kensington lock	
<b>Dimensions and weight</b> <sup>10, 11</sup>	<b>Dimensions:</b> ● 363.4 (W) x 255 (D) x 23.9 (H) mm (14.31 x 10.04 x 0.94 inches)	<b>Weight:</b> ● 2.4 kg (5.29 lbs.) with 4-cell battery pack, one hard drive and one SSD ● 2.2 kg (4.85 lbs.) with 4-cell battery pack, solid state drive
<b>Power adapter and battery</b> <sup>12</sup>	<b>Power adapter:</b> ● 3-pin 180 W AC adapter ● 3-pin 135 W AC adapter	<b>Battery:</b> ● 57.5 Wh 4-cell Li-ion battery ● Battery life up to 13 hours
<b>Input and control</b>	<b>Keyboard:</b> 103-/104-/107-key FineTip RGB-backlit keyboard with independent standard numeric keypad, international language support 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 ● Moisture resistant	
<b>Windows Desktop Apps</b> <sup>13</sup>	<b>In-House</b> ● Quick Access ● Acer Care Center ● Acer Product Registration ● NitroSense	<b>Security</b> ● GoTrust ● Norton™ Internet Security ● PC Manager
<b>Warranty</b>	One-year International Travelers Warranty (ITW)	

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.