

# acer



 Windows 10



Dual M.2  
Support +



Acer  
NitroSense



Killer  
DoubleShot  
™ Pro



Double Fan  
with Quad  
Exhaust Port



Immersive  
Gaming  
Audio



HDMI port

One HDD  
Slot &  
CoolBoost™

# NITRO 5

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.

© 2021. All rights reserved.

Microsoft and Windows are registered trademarks of Microsoft Corporation.

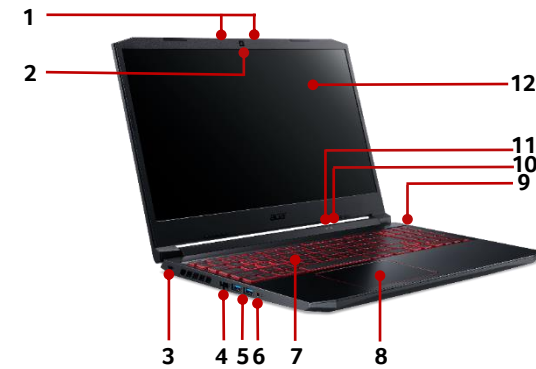
Ultrabook, Celeron, Celeron Inside, Core Inside, Intel, Intel Logo, Intel Atom, Intel Atom Inside, Intel Core, Intel Inside, Intel Inside Logo, Intel vPro, Intel Evo, Itanium, Itanium Inside, Pentium, Pentium Inside, vPro Inside, Xeon, Xeon Phi, Xeon Inside, Intel Agilex, Arria, Cyclone, Movidius, eASIC, Enpirion, Iris, MAX, Intel RealSense, Stratix, and Intel Optane are trademarks of Intel Corporation or its subsidiaries.

#### **About Acer**

Founded in 1976, Acer is one of the world's top ICT companies with a presence in more than 160 countries. As Acer evolves with the industry and changing lifestyles, it is focused on enabling a world where hardware, software and services will fuse with one another, creating ecosystems and opening up new possibilities for consumers and businesses alike. Acer's 7,500 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.

# SPECIFICATIONS

# NITRO



Product views	1. Microphones 2. Webcam 3. Kensington lock slot 4. Ethernet (RJ-45) port 5. Two USB 3.2 Gen 1 ports 6. Headset/speaker jack	7. Keyboard 8. Touchpad 9. Power button 10. Power indicator 11. Battery indicator 12. 15.6" LCD display	13. USB Type-C™ port (USB 3.2 Gen 2) (Thunderbolt™ 4) 14. USB 3.2 Gen 2 port with power-off charging 15. HDMI® port 16. Power connector (DC-in)
Operating system <sup>1,2</sup>	Windows 10 Home 64-bit		
CPU and chipset <sup>1</sup>	Intel® Core™ i7-11800H processor	Intel® Core™ i5-11400H processor	Intel® Core™ i5-11260H processor
Memory <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 (According to Intel POR that 3200MHz are supported on TigerLake platform)		
Display <sup>6</sup>	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 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, 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, 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	
Graphics <sup>1, 7</sup>	NVIDIA® GeForce RTX™ 3070 with 8 GB of dedicated GDDR6 VRAM NVIDIA® GeForce RTX™ 3060 with 6GB of dedicated GDDR6 VRAM NVIDIA® GeForce RTX™ 3050 Ti		NVIDIA® GeForce RTX™ 3050 NVIDIA® GeForce® GTX 1650 with 4 GB GDDR6 memory
Audio	● 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		
Storage <sup>1, 8, 9</sup>	Solid state drive ● 512 GB / 1 TB / 2 TB, NVMe, RAID 0 SSD ● 256 GB / 512 GB / 1 TB, PCIe Gen3, 8 Gb/s, NVMe		Hard disk drive ● 1 TB 2.5-inch 7200 RPM ● 2 TB / 1 TB 2.5-inch 5400 RPM
Webcam <sup>1</sup>	Video conferencing : ● HD webcam with 1280 x 720 resolution and 720p HD audio/video recording. ● Super high dynamic range imaging (SHDR)		
Wireless and networking <sup>1</sup>	WLAN ● Killer™ Wi-Fi 6 AX 1650i ● 802.11 a/b/g/n+acR2+ax wireless LAN ● Dual Band (2.4 GHz and 5 GHz) ● 2x2 MU-MIMO technology ● Supports Bluetooth® 5.1		LAN ● Killer™ Ethernet E2600 ● 10/100/1000 Mbps ● Hibernation mode support ● Wake On Lan support ● IPv4 and IPv6 support
Security	Firmware Trusted Platform Module (TPM) solution BIOS user, supervisor, HDD passwords Kensington lock slot		
Dimensions and weight <sup>10, 11</sup>	Dimensions: ● 363.4 (W) x 255 (D) x 23.9 (H) mm (14.31 x 10.04 x 0.94 inches)		Weight: ● 2.2 kg (4.85 lbs.) with 4-cell battery pack, solid state drive ● 2.4 kg (5.29 lbs.) with 4-cell battery pack, one hard drive and one SSD
Power adapter and battery <sup>12</sup>	Power adapter: ● 3-pin 180 W AC adapter ● 3-pin 135 W AC adapter		Battery: ● 57.5 Wh 4-cell Li-ion battery ● Battery life:Up to 8 hours
Input and control	Keyboard: 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 Touchpad: Multi-gesture touchpad, supporting two-finger scroll; pinch; gestures to open Cortana, Action Center, multitasking; application commands ● Microsoft Precision Touchpad certification ● Moisture resistant		
Windows Desktop Apps <sup>13</sup>	In-House ● Acer Care Center ● Acer Product Registration ● NitroSense		Security ● GOTrust ● Norton™ Internet Security L3 ● PC Manager
Warranty	One-year International Travelers Warranty (ITW)		
1.	Specifications vary depending on model.	10.	Minor variations in system dimensions are possible due to the manufacturing process.
2.	64-bit software is required to enjoy the advantages of 64-bit processing.	11.	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.	12.	Listed battery life is based on MobileMark 2014® productivity mode testing with wireless on. Details of MobileMark 2014 testing are available at <a href="http://www.bapco.com">www.bapco.com</a> . 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.	13.	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.		
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.	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.		

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.

© 2021. All rights reserved.

Microsoft and Windows are registered trademarks of Microsoft Corporation.

Ultrabook, Celeron, Celeron Inside, Core Inside, Intel, Intel Logo, Intel Atom, Intel Atom Inside, Intel Core, Intel Inside, Intel Inside Logo, Intel vPro, Intel Evo, Itanium, Itanium Inside, Pentium, Pentium Inside, vPro Inside, Xeon, Xeon Phi, Xeon Inside, Intel Agilex, Armia, Cyclone, Movius, eASIC, Enpirion, Iris, MAX, Intel RealSense, Stratix, and Intel Optane are trademarks of Intel Corporation or its subsidiaries.

## About Acer

Founded in 1976, Acer is one of the world's top ICT companies with a presence in more than 160 countries. As Acer evolves with the industry and changing lifestyles, it is focused on enabling a world where hardware, software and services will fuse with one another, creating ecosystems and opening up new possibilities for consumers and businesses alike. Acer's 7,500 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.