NITRO 5

Windows 10

intel CORE i7 10TH GEN

intel CORE i5 10TH GEN

HDD +SSD
Available Slots for 2 X SSD + 1 HDD

FHD
Narrow Bezel

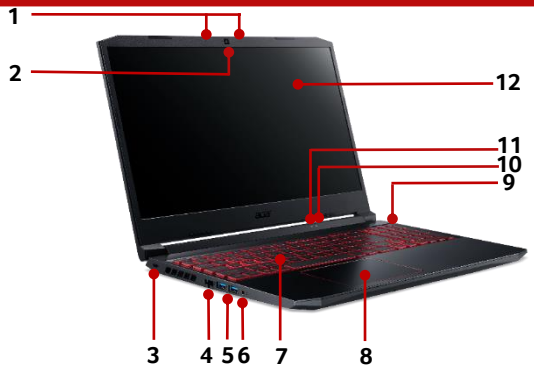
Killer™ Ethernet E2600 + Wi-Fi 6

Acer NitroSense & CoolBoost™

HDMI
HDMI Port

dts X Ultra
Immersive Gaming Audio

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) **14.** USB 3.2 Gen 2 port with power-off charging **15.** HDMI® 2.0 port **16.** Power connector (DC-in)
Operating system[1,2]	Windows 10 Home 64-bit		
CPU and chipset[1]	**Intel® Core™ i7-10750H** processor	**Intel® Core™ i5-10300H** processor	Mobile Intel® HM470 PCH Chipset
Memory[1, 3, 4, 5]	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, 2933MHz are supported on Cometlake platform.)		
Display[6]	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 120 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	
Graphics[1]	**NVIDIA® GeForce® RTX 2060** with 6 GB of dedicated GDDR6 VRAM **NVIDIA® GeForce® GTX 1660 Ti** with 6 GB of dedicated GDDR6 VRAM	**NVIDIA® GeForce® GTX 1650 Ti** with 4 GB GDDR6 memory **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		
Storage[7]	**Solid state drive** ● 256 GB / 512 GB / 1 TB, 2D NVMe, RAID 0 SSD	**Hard disk drive** ● 1 TB 2.5-inch 7200 RPM ● 1 TB / 2 TB 2.5-inch 5400 RPM	
Webcam[1]	**Video conferencing :** ● HD webcam with 1280 x 720 resolution and 720p HD audio/video recording. ● Super high dynamic range imaging (SHDR)		
Wireless and networking[1]	**WLAN** ● Intel® Wireless Wi-Fi 6 AX201 ● 802.11a/b/g/n/acR2+ax wireless LAN ● Dual Band (2.4 GHz and 5 GHz) ● 2x2 MU-MIMO technology ● Supports Bluetooth® 5.0 ● Wi-Fi CNVi Interface	**WPAN** ● Bluetooth® 5.0	**LAN** ● Killer™ Ethernet E2600 ● 10/100/1000 Mbps ● Hibernation mode support ● Wake On Lan support ● IPv4 and IPv6 support
Privacy control[1]	BIOS user, supervisor		
Security	Kensington lock slot		
Dimensions and weight[8, 9]	**Dimensions:** ● 363.4 (W) x 255 (D) x 23.9 (H) mm (14.31 x 10.04 x 0.94 inches)	**Weight:** ● 2.3 kg (5.07 lbs.) with 4-cell battery pack	
Power adapter and battery[10, 11]	**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 10 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[12]	**In-House** ● Acer Care Center ● Acer Product Registration	**Security** ● GOTrust ● Norton™ Internet Security ● Norton™ Internet Security L3	
Warranty	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. 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.
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 testing using video playback. The test clip loops and continues to run, without interruption or any other inputs, 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™ i5, NVIDIA® GeForce RTX™ 2060, FHD, SSD only, 8GB of DDR4 memory. Battery life test condition: LCD brightness 150 nits, connected headphones, WLAN off, Bluetooth off and Better Battery Mode on.
11. Bundled software may vary depending on hardware configuration, OS and regional availability.

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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