



NITRO 5























Acer NitroSense & CoolBoost™



HDMI Port

SPECIFICATIONS NITRO





Product views	1. Microphones 7.		13. USB Type-C [™] port (USB 3.2 Gen 2)			
	2. Webcam 8.		14. USB 3.2 Gen 2 port with power-off charging			
	3. Kensington lock slot 9. 4. Ethernet (RJ-45) port 10	Power button Power indicator	15. HDMI[®] port16. Power connector (DC-in)			
		Battery indicator	16. Power connector (DC-III)			
		2. 15.6" LCD display				
Operating system ^{1,2}	Windows 10 Home 64-bit	2. 15.0 LCD display				
CPU and chipset ¹	AMD Ryzen™ 9 5900HX octa-core processor		AMD Ryzen™ 5 5600H hexa-core processor			
CPO and Chipset	AMD Ryzen™ 7 5800H octa-core processor		7 III 1 1 July 2011 Total Core processor			
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 months. 15.6" display with IPS (In-Plane Switching) technology, Full HD 1920 x 					
Display ⁶	1080, Acer ComfyView TM LED-backlit TFT LCD	HD 1920 X	15.6" display with IPS (In-Plane Switching) technology, Full HD 1920 x 1080, high-brightness (300 nits) Acer ComfyView TM LED-backlit TFT LCD, supporting			
	16:9 aspect ratio, supporting 144 Hz refresh rate		144 Hz, 3 ms Overdrive			
	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		16:9 aspect ratio, NTSC 72% Wide viewing angle up to 170 degrees Ultra-slim design			
				1080, Acer ComfyView TM LED-backlit TFT LCD		Mercury free, environment friendly
				 16:9 aspect ratio, 45% NTSC color gamut 		15.6" display with IPS (In-Plane Switching) technology, Full HD 1920 x 1080, high-brightness (300 nits) Acer ComfyView™ LED-backlit TFT LCD,
	 Wide viewing angle up to 17 0 degrees 		supporting 360 Hz, 2 ms Overdrive and G-sync			
	Ultra-slim design		• 16:9 aspect ratio, sRGB 100%			
	 Mercury free, environment friendly 15.6" display with IPS (In-Plane Switching) technology, QHD 2560 x 		Wide viewing angle up to 170 degrees			
	1440, high-brightness (300 nits) Acer ComfyView™ LED-backlit TFT LCD,		Ultra-slim design			
	supporting 165 Hz, 3 ms Overdrive		Mercury free, environment friendly			
	16:9 aspect ratio, sRGB 100%					
	Wide viewing angle up to 170 degrees					
	Ultra-slim design					
	Mercury free, environment friendly		AND THE RESERVE THE PROPERTY OF THE PROPERTY O			
	Graphics ^{1, 7}	NVIDIA® GeForce® RTX™ 3080 with 8 GB or 16 GB of dedicented NVIDIA® GeForce® RTX™ 3070 with 8 GB of dedicated GDI	CATED GUDR6 VRAM	NVIDIA® GeForce® RTX [™] 3060 with 6 GB of dedicated GDDR6 VRAM NVIDIA® GeForce® GTX 1650 with 4 GB GDDR6 memory		
	Audio	DTS® X:Ultra Audio, featuring optimized Bass, Loudness	. Speaker Protection w			
Addio	 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 head	dobone like audio and nowerful sound			
24189	Solid state drive	nequency range, nead	Hard disk drive			
Storage ^{1, 8, 9}	 256 GB / 512 GB / 1 TB, PCle Gen3, 8 Gb/s, NVMe 		• 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.					
Minister and	Super high dynamic range imaging (SHDR) WLAN		LAN			
A Late III M Mineles - Mi Fi C A VOCCO			Killer™ Ethernet E2600			
networking ¹	802.11a/b/g/n/acR2+ax wireless LAN		• 10/100/1000 Mbps			
	 Dual Band (2.4 GHz and 5 GHz) 		Hibernation mode support			
	2x2 MU-MIMO technology		Wake On Lan support			
	 Supports Bluetooth[®] 5.1 Wi-Fi PCle interface 		IPv4 and IPv6 support			
Privacy control ¹	BIOS user, supervisor, HDD passwords					
Security	Kensington lock					
Dimensions and	Dimensions:		Weight:			
weight ^{10, 11}	• 363.4 (W) x 255 (D) x 23.9 (H) mm (14.31 x 10.04 x 0.94	inches)	2.4 kg (5.29 lbs.) with 4-cell battery pack, one hard drive and one SSD			
weight			 2.2 kg (4.85 lbs.) with 4-cell battery pack, solid state drive 			
Power adapter and	Power adapter:		Battery:			
battery ¹²	3-pin 180 W AC adapter		57.5 Wh 4-cell Li-ion battery			
nnut and control	3-pin 135 W AC adapter Keyboard:		Battery life up to 13 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 Fine Tip 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		Committee			
Windows Desktop	In-House ● Quick Access		Security • COTrust			
Apps ¹³	Acer Care Center		GOTrust Norton TM Internet Security			
	 Acer Product Registration 		PC Manager			
	NitroSense					
Warranty Specifications were dea	One-year International Travelers Warranty (ITW)	40	or undational in a vistom disconning are possible due to the second state of the secon			
 Specifications vary dep 64-bit software is required 	ending on model. ed to enjoy the advantages of 64-bit processing.		or variations in system dimensions are possible due to the manufacturing process. ght may vary depending on product configuration, vendor components, manufacturing variability, and			
Shared system memory	may be allocated to support graphics, depending on system memory size an	ıd sele	cted options.			
other factors. Actual sy	tem memory available to the operating system will be reduced by any memor		ed battery life is based on testing using Web browsing. The test clip loops the loading of 50 selected sites using Microsoft Edge every 30 seconds, until the battery is drained. Stated battery life is for			
 Memory speed may va 	y, depending on the CPU, chipset or memory fitted.		parison purpose only. Actual battery life varies by model, configuration, applications, video chip			
 A 64-bit operating syste All brands and product 	m is required to enjoy the ultimate performance of 4 GB or higher memory. names mentioned herein include trademarks of their respective companies an	form	nat and features used. A battery's maximum capacity decreases with time and use. Battery life test			
used solely to describe	or identify the products.	cont	figuration: 2nd Gen AMD Ryzen™ 7, NVIDIA® GeForce® GTX 1650, FHD, HDD + SSD, 16GB of DD			
 Not all features indicate 	d are supported on all SKUs.		nory. Battery life test condition: 100 nits LCD brightness, 50% speaker volume, WLAN on, etooth on, no WW direct Internet connection.			
	actual formatted capacity is less and may vary depending on preloaded mater	idio	stooth on, no WW direct Internet connection. dled software may vary depending on hardware configuration, OS and regional availability.			
and operating environment. Acer Recovery Management uses a portion of the stated hard disk capacity 13. Bundl as dedicated backup space.			ured sortware may vary depending on naroware configuration, US and regional availability.			
	TB is 1000 GB. Actual formatted capacity is less and may vary depending or					
	operating environment. Recovery Management uses a portion of the stated					
as dedicated backup sp	ace. TB is 1000 GB. Actual formatted capacity is less and may vary depending or	n				

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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