

# acer



## NITRO 5



Tear-free Gaming  
Experience



NitroSense



Killer™  
E2600 + Wi-Fi 6E



Double Fan with  
Quad Exhaust Port



PCIe Gen4 SSD

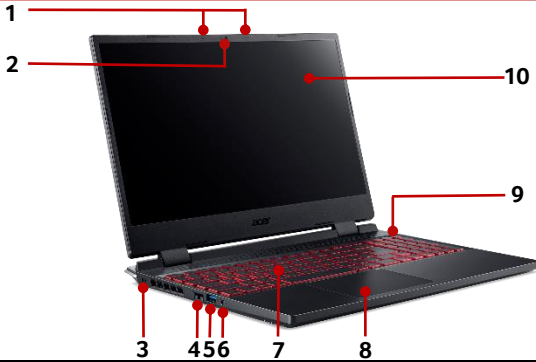


HDMI port

# SPECIFICATIONS

# NITRO 5

# AN515-46/AN515-47



<b>Product views</b>	<ol style="list-style-type: none"> <li>1. Microphones</li> <li>2. Webcam</li> <li>3. Kensington lock slot</li> <li>4. Ethernet (RJ-45) port</li> <li>5. USB 3.2 Gen 1 port</li> <li>6. Headset/speaker jack</li> </ol>	<ol style="list-style-type: none"> <li>7. Keyboard</li> <li>8. Touchpad</li> <li>9. Power button</li> <li>10. 15.6" LCD display</li> <li>11. Battery indicator</li> <li>12. Power indicator</li> </ol>	<ol style="list-style-type: none"> <li>13. USB 3.2 Gen 2 port with power-off charging</li> <li>14. USB 3.2 Gen 2 port</li> <li>15. Power connector (DC-in)</li> <li>16. USB Type-C™ port (USB 3.2 / 4)</li> <li>17. HDMI® port</li> </ol>
<b>Operating system<sup>1</sup></b>	Windows 11 Home		
<b>CPU and chipset<sup>1</sup></b>	<b>AN515-47:</b> AMD Ryzen™ 7 7735HS octa-core processor AMD Ryzen™ 5 7535HS hexa-core processor	<b>AN515-46:</b> AMD Ryzen™ 9 6900HX octa-core processor AMD Ryzen™ 7 6800H octa-core processor AMD Ryzen™ 5 6600H hexa-core processor	
<b>Memory<sup>1,2,3</sup></b>	Dual-channel DDR5 SDRAM support: ● Up to 32 GB of DDR5 system memory (Memory Frequency: up to 4800 MT/s)		
<b>Display<sup>4</sup></b>	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, DCI-P3 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, high-brightness (300 nits) 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
<b>Graphics<sup>1,5</sup></b>	<b>NVIDIA® GeForce® RTX™ 3070 Ti</b> with 8 GB of dedicated GDDR6 VRAM (AN515-46 only) <b>NVIDIA® GeForce® RTX™ 3070</b> with 8 GB of dedicated GDDR6 VRAM (AN515-46 only) <b>NVIDIA® GeForce® RTX™ 3060</b> with 6 GB of dedicated GDDR6 VRAM (AN515-46 only)	<b>NVIDIA® GeForce® RTX™ 3050 Ti</b> with 4 GB of dedicated GDDR6 VRAM <b>NVIDIA® GeForce® RTX™ 3050</b> with 4 GB of dedicated GDDR6 VRAM	
<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 AI noise reduction in 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<sup>1,6</sup></b>	<b>Solid state drive</b> ● 512 GB / 1 TB, PCIe Gen4, 16 Gb/s, NVMe		
<b>Webcam<sup>1</sup></b>	<b>Video conferencing</b> : UFC with ● Narrow USB HD camera ● Compatible with Windows	● 1280 x 720 resolution ● 720p HD video at 30 fps with Temporal Noise Reduction	● Blue Glass lens ● Dual Mic (33 mm x 33 mm) ● 86 x 3.2 x 2.6 mm
<b>Wireless and networking<sup>1</sup></b>	<b>WLAN</b> ● Wi-Fi 6E Wireless LAN ● 802.11 a/b/g/n/ac/ax wireless LAN ● Band: 2.4 GHz, 5 GHz, and 6 GHz ● 2x2 MU-MIMO technology ● Support Bluetooth® 5.2 and later ● Dual Band Simultaneous	<b>LAN</b> ● Killer™ Ethernet E2600 ● 10/100/1000 Mbps ● Hibernation mode support ● Wake On LAN support ● IPv4 and IPv6 support	
<b>Security</b>	● Firmware Trusted Platform Module (TPM) solution ● BIOS user, supervisor passwords	● Kensington lock slot	
<b>Dimensions and weight<sup>7,8</sup></b>	<b>Dimensions:</b> ● 360.4 (W) x 271.09 (D) x 25.9/26.9 (H) mm (14.19 x 10.67 x 1.02/1.06 inches) with Plastic A Cover	<b>Weight:</b> ● 2.5 kg (5.51 lbs.) with 4-cell battery pack	
<b>Power adapter and battery<sup>9,10</sup></b>	<b>Power adapter:</b> ● 3-pin 280 W 5.5 PHY AC adapter (AN515-46 only) ● 3-pin 230 W 5.5 PHY AC adapter (AN515-46 only) ● 3-pin 180 W AC adapter	<b>Battery:</b> ● 57.5 Wh 4-cell Li-ion battery ● Battery life up to 6 hours (AN515-46) ● Battery life up to 8 hours (AN515-47)	
<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>Media Keys</b> Media control keys (printed on keyboard): play/pause, stop, previous, next, volume up, volume down	
<b>Windows Desktop Apps<sup>11</sup></b>	<b>In-House</b> ● Acer Care Center ● Acer Configuration Manager	● Acer Product Registration ● NitroSense ● Quick Access	<b>Security</b> ● Norton™ Internet Security L3 ● PC Manager
<b>Warranty</b>	One-year International Travelers Warranty (ITW)		
1.	Specifications vary depending on model.	9.	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: AMD Ryzen™ 5 6000, NVIDIA® GeForce RTX™ 3070, FHD, Dual SSD, 16GB of DDR5 memory. Battery life test condition: LCD brightness 150 nits, connected headphones, WLAN off, Bluetooth off and Better Battery Mode on.
2.	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.	10.	Actual battery life may vary considerably by specifications, depending on product model, configuration, applications, power management settings, operating conditions, and features utilized. Performance variation also arises based on components in use, which includes but is not limited to the processor, RAM capacity, storage, display and resolution, etc.
3.	Memory speed may vary, depending on the CPU, chipset or memory fitted.	11.	Bundled software may vary depending on hardware configuration, OS and regional availability.
4.	All brands and product names mentioned herein include trademarks of their respective companies and are used solely to describe or identify the products.		
5.	Not all features indicated are supported on all SKUs.		
6.	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.		
7.	Minor variations in system dimensions are possible due to the manufacturing process.		
8.	Weight may vary depending on product configuration, vendor components, manufacturing variability, and selected options.		

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 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.