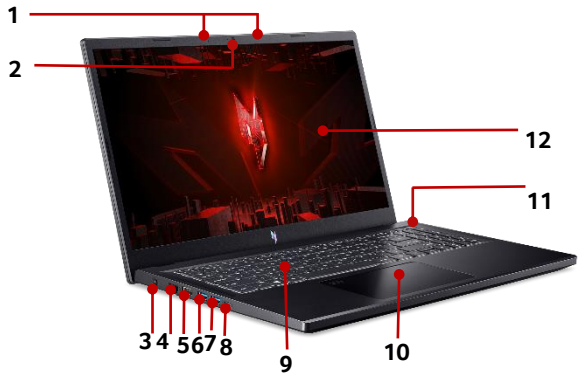
SPECIFICATIONS NITRO V 15 ANV15-51



Product views	**1.** Microphones	**7.** USB 3.2 Gen 1 port	**13.** Power indicator
	2. Webcam	**8.** USB Type-C™ port (Thunderbolt™ 4)	**14.** Battery indicator
	3. Power connector (DC-in)	**9.** Keyboard	**15.** Headset/speaker jack
	4. Ethernet (RJ-45) port	**10.** Touchpad	**16.** USB 3.2 Gen 1 port
	5. HDMI® 2.1 port	**11.** Power button	**17.** Kensington lock slot
	6. USB 3.2 Gen 1 port with power-off charging	**12.** 15.6" LCD display	

Operating system[1]	freedos
CPU and chipset[1]	**Intel® Core™ i5-13420H** processor
Memory[1, 2, 3]	Dual-channel DDR5 SDRAM support ● 16GB of DDR5 system memory (Memory Frequency: Up to 5200 MT/s) Up to 32 GB
Display[4]	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 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, 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
Graphics[1]	**NVIDIA® GeForce® RTX™ 3050** with 6 GB of dedicated GDDR6 VRAM
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 ● High SNR DAC with 2.1 Vrms out capability and can driver high impedance headphone (up to 600 ohm) ● 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
Storage[1, 5]	**Solid state drive** ● 512 GB PCIe Gen4, 16 Gb/s, NVMe
Webcam[1]	**Video conferencing:** UFC with ● T-Type HD camera ● Compatible with Windows only ● 1280 x 720 resolution ● 720p HD video at 30 fps with Temporal Noise Reduction ● Blue Glass lens ● Dual Mic (33 mm + 33 mm) ● 78 x 3.2 (5.2) x 3 mm
Wireless and networking[1]	**WLAN** ● 802.11a/b/g/n/ac+ax wireless LAN ● Dual Band (2.4 GHz and 5 GHz) ● 2x2 MU-MIMO technology ● Supports Bluetooth 5.1 or above **LAN** ● Gigabit Ethernet
Security	● Acer Bio-Protection fingerprint solution, featuring computer protection and Windows Hello Certification ● Firmware Trusted Platform Module (TPM) solution ● BIOS user, supervisor, HDD passwords ● Kensington lock slot
Dimensions and weight[6, 7]	**Dimensions:** ● 362.3 (W) x 239.89 (D) x 22.9/26.9 (H) mm (14.26 x 9.44 x 0.9/1.06 inches) **Weight:** ● 2.113 kg (4.66 lbs.) with 4-cell battery pack
Power adapter and battery[8]	**Power adapter:** ● 3-pin 135 W AC adapter **Battery:** ● 57 Wh 4-cell Li-ion battery (for models with Full HD Panel + SSD)
Input and control	**Keyboard:** 99-/100-/103-key Acer keyboard layout with international language support including indicators of CapsLock and F4/Microphone mute **Media Keys** Media control keys (printed on keyboard): volume up, volume down **Touchpad** Multi-gesture secure touchpad, supporting two-finger scroll; pinch; gestures to open Cortana, Action Center, multitasking; Fingerprint application commands ● Microsoft Precision Touchpad certification ● Moisture resistant ● Windows Hello Certification
Windows Desktop Apps[9]	**In-House** ● Acer Care Center ● Acer Product Registration ● NitroSense ● Quick Access
Warranty	One-year Warranty

1. Specifications vary depending on model.
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.
3. Memory speed may vary, depending on the CPU, chipset or memory fitted.
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. 1 GB = 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.
6. Minor variations in system dimensions are possible due to the manufacturing process.
7. Weight may vary depending on product configuration, vendor components
8. *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.*
9. 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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