



Buyers Guide | BTS 2020

Acer Nitro 5

AN515-54-599H





Model	Acer® Nitro 5 AN515-54-599H Gaming Laptop
MSRP	\$699.99
On-Shelf Date	July 1, 2020

High Level Specifications

- 9th Generation Intel® Core™ i5-9300H Processor (Up to 4.1GHz)
- NVIDIA® GeForce® GTX 1650 with 4 GB of dedicated GDDR5 VRAM
- 15.6" Full HD (1920 x 1080) Widescreen LED-backlit IPS Display
- 8GB DDR4 2666MHz Memory
- 512GB PCIe NVMe SSD (1 - PCIe M.2 Slot Available)
- Waves MaxxAudio® sound technology, featuring MaxxBass®, MaxxVolume®, MaxxDialog™
- Two Built-in Stereo Speakers
- 1 - USB 3.1 Type C Gen 1 port, 2 - USB 3.1 Gen 1 Ports & 1 - USB 2.0 port
- 1 - HDMI 2.0 port
- Intel Wireless-AC 9560 802.11ac Gigabit WiFi which can deliver up to 1.73Gbps throughput when using 160Mhz channels (Dual-Band 2.4GHz and 5GHz)
- 10/100/1000 Gigabit Ethernet LAN (RJ-45 port)
- Bluetooth® 5.0
- Backlit Keyboard
- Lithium-Ion Battery, Up to 7 Hours Battery Life
- Windows 10 Home

What's in the Box

- Laptop
- AC Adapter & Power Cord

Key Features



Web Description

Acer Nitro 5 AN515-54-599H, 15.6" Full HD, 9th Gen Intel Core i5-9300H, NVIDIA GeForce GTX 1650, 8GB DDR4, 512GB PCIe NVMe SSD, Backlit Keyboard, Windows 10 Home

NITRO 5 TAKE THE GAME TO THEM



Launch Your Creativity

Soar to new gaming heights—anytime, anywhere—with the Nitro 5. This ultra-cool machine is sure to catch your eye with its sleek, mobile design, 15.6" Full HD IPS Display, and a wide range of gaming-rich features to put you in total command of the action. Leveraging the power and speed of its 9th Gen Intel® Core™ processor and high-performance NVIDIA® GeForce GTX 1650 graphics—that's powered by NVIDIA Turing™ GPU architecture—the Nitro 5 delivers a knockout blow to the competition that's sure to make for an iconic gaming experience. It's advanced cooling and stellar audio capabilities support gaming sessions while the illuminating iron-red keyboard adds to the epic drama.

Features



Visual Intensity

Explore games in greater detail with the sharp visuals of a 15.6" FHD IPS display with improved screen-to-body ratio to 80% with narrow 0.28" bezels. Its hard-edged sleek lines and attractive red hinge light up Acer's Nitro 5 and evoke the gaming spirit. The Nitro 5 looks and feels like it will help you take control.

Dominating Specs

Reign over the game world with the combined power of a 9th Gen Intel® Core™ i5 processor and NVIDIA® GeForce® GTX 1650 graphics. Configure your laptop for maximum speed and storage with two slots for M.2 PCIe SSDs using NVMe technology and up to 32GB of DDR4 RAM. The large-capacity battery supports up to 7 hours and a longer lifespan.

Coolness Under Fire

When heavy use requires an added boost, chill out with twin fans, Acer CoolBoost™ technology and a dual exhaust port design. CoolBoost™ increases fan speed by 10% and CPU/GPU cooling by 9% compared to auto mode. Monitor and manage your system in real time with NitroSense, covering temperatures, fan speeds and more.



The Key to Victory

Commands are just a touch away with the dedicated NitroSense Key, while the WASD and arrow keys are highlighted for easy location. Enjoy the tactile feel of keys with a travel distance of 1.6mm. Add some excitement to your gaming and play in dimly lit environments with the red backlit keyboard.

Visual Intensity

Powered by a GeForce® GTX 1650 GPU, this laptop delivers fast, smooth gaming experiences you want, brought to life with the breakthrough graphics of the award-winning NVIDIA Turing™ architecture.

Breaking the Sound Barrier

Better audio delivers a competitive edge and a more entertaining experience. Invigorate your gaming and enjoy the ride as Waves MaxxAudio® meets Acer TrueHarmony™. Get intelligent bass, dialog and volume enhancement with Waves MaxxAudio®, and deeper, richer sounds with Acer TrueHarmony™

Acer® Nitro 5 AN515-54-599H Gaming Laptop

Detailed Product Specifications

Processor

9th Generation Intel® Core™ i5-9300H Processor 2.4GHz
with Turbo Boost Technology⁽¹⁾ up to 4.1GHz (8MB Smart Cache)

Display

15.6" Full HD Widescreen LED-backlit IPS Display
1920 x 1080 resolution; 16:9 aspect ratio

Memory

8GB DDR4 2666MHz Memory⁽²⁾
Used Slots: 1 x 8GB | 1 Slot (Available)
2 DDR4 Slots (Total) - Maximum 32GB

Video

NVIDIA® GeForce® GTX 1650 with 4 GB of dedicated GDDR5 VRAM, supporting NVIDIA® CUDA™, PhysX™, PureVideo® HD technology, GPU Battery Boost technology, ShadowPlay technology, GameStream technology, Multi-Frame sampled Anti-Aliasing (MFAA), Dynamic Super Resolution (DSR), Voxel Global Illumination (VXGI). Microsoft® DirectX® 12, OpenGL® 4.5, OpenCL™ 1.1

Audio

Waves MaxxAudio® sound technology, featuring MaxxBass®, MaxxVolume®, Maxx Acer TrueHarmony Technology
Two Built-in Stereo Speakers
Acer Purified.Voice technology with two built-in microphones

Hard Drive

512GB PCIe NVMe SSD (2 x PCIe M.2 Slots | 1 Slot Available)
1 x 2.5" Hard Drive Bay (Available)

Optical Drive

N/A

Digital Media Reader

N/A

Communications

Intel Wireless-AC 9560 802.11ac Gigabit WiFi which can deliver up to 1.73Gbps throughput when using 160Mhz channels (Dual-Band 2.4GHz and 5GHz)
10/100/1000 Gigabit Ethernet LAN (RJ-45 port)
Bluetooth® 5.0

Interfaces

1 - USB 3.1 Type C Gen 1 port (up to 5 Gbps)
2 - USB 3.1 Gen 1 Ports (one with Power-off Charging)
1 - USB 2.0 port
1 - HDMI™ 2.0 Port with HDCP support
1 - Headphone/Speaker/Line-Out Jack
1 - Ethernet (RJ-45) Port
1 - DC-in Jack for AC Adapter
1 - Kensington Lock Slot

Webcam

HD Webcam (1280 x 720) supporting Super High Dynamic Range (SHDR)

Convenience Features

Precision Touchpad (supporting Windows Modern Touchpad gestures)
Dedicated Numeric Keypad
Media Control Keys

Battery Type

Lithium-Ion Battery

Battery Life

Up to 7-hours battery life⁽⁴⁾

Dimensions (System)

14.31 (W) x 10.04 (D) x 0.96/1.06 (H) inches
363.4 (W) x 255 (D) x 24.35/26.84 (H) mm

Dimensions (Box)

21.38 (L) x 2.76 (W) x 12.44 (H) inches
543 (L) x 70 (W) x 316 (H) mm

Weights

4.85 lbs. | 2.2 kg (system unit only)
Approximately 7.87 lbs. | 3.57 kg (box)

Pallet Quantity

87 units per pallet

Limited Warranty

One-year International Travelers Limited Warranty (ITW)⁽⁵⁾

Model

AN515-54-599H

Color

Obsidian Black

Part Number

NH.Q5UAA.008

UPC

193199877321

Software

Windows 10 Home

Productivity

Acer Care Center
Microsoft® Office Trial⁽⁷⁾
Cyberlink® PhotoDirector 8
Cyberlink® PowerDirector 14

Multimedia

MaxxAudio®

Netflix

Tools

NitroSense

Product specifications subject to change without notice

Actual product may vary from image shown

Accessible capacity varies; MB = 1 million bytes; GB = 1 billion bytes

(1) Overall system performance is based on several PC attributes. GHz, processor clock speed, is one of the attributes. Intel Turbo Boost Technology performance varies depending on hardware, software and overall system configuration.

(2) Shared system memory may be allocated to support integrated graphics, depending on system memory size and other factors. Actual system memory available to the operating system will be reduced by the amount of dedicated and shared system memory utilized by the graphics solution and resources required by the operating environment.

(3) 1 GB is 1 billion bytes. Actual formatted capacity is less and may vary depending on preloaded materials and operating environment. Recovery Management utilizes up to 8 GB (10 GB with Microsoft® Office Starter 2010 Trial) of the stated hard disk capacity as dedicated backup space.

(4) Battery life varies depending on product specifications, computer settings, and applications or features launched. All batteries' maximum capacity diminishes with time and use.

(5) For a free copy of the standard limited warranty end-users should see a reseller where Acer products are sold or write to Acer America Corporation, Warranty Department, P.O. Box 6137, Temple, TX 76503. TFT displays commonly exhibit a small number of discolored dots, so-called "nonconforming pixels." This phenomenon is a limitation of TFT LCD technology, not a product defect and, as such, is not covered by the limited warranty or by the upgrade programs. For international travelers warranty Valid only in countries where Acer has an authorized repair facility. For a list of those countries go to <http://global.acer.com/support/itw.htm>, or call 800-816-2237. Services and response times may vary in countries outside the U.S. and Canada

(6) 30-days of complimentary subscription. Internet connection required to start trial

(7) Microsoft Office Trial included. After or during the 30-day trial, purchase an Office Product Key to activate one of the following Office suites preloaded on this PC: Office Home and Student, Office Home and Business, Office Professional.

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