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Acer Nitro 5 AN515-57



- **Launched:** May 2021
- **Screen-to-body ratio:** ~72.4%
- **Dimensions:** 363.4 x 255 x 23.9 mm (14.31 x 10.04 x 0.94 inches)

[SHOW ALL CONFIGURATIONS](#)

Review

Evaluation of the main characteristics with the configuration selected for the Nitro 5 AN515-57.

Performance	74	Gaming	76
Display	51	Battery Life	55
Connectivity	69	Case	61
NanoReview Score			63

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Tests and Specifications

Detailed tests and technical specifications of the Acer Nitro 5 AN515-57

Case

Weight	2.3 kg (5.07 lbs)
Dimensions	363.4 x 255 x 23.9 mm 14.31 x 10.04 x 0.94 inches
Area	927 cm ² (143.7 inches ²)
Screen-to-body ratio	~72.4%
Side bezels	9 mm
Colors	Black
Transformer	No
Opening angle	150°

Cooling solution

Cooling system	Active
Vapor chamber	No
Number of fans	2
Noise level	45 dB

Display

	1920 x 1080
Size	15.6 inches
Type	IPS LCD
Refresh rate	144 Hz
PPI	141 ppi
Aspect ratio	16:9
Resolution	1920 x 1080 pixels
HDR support	No
Touchscreen	No
Coating	Matte

Display tests

Contrast	1480:1
sRGB color space	59.1%
Adobe RGB profile	41.1%
DCI-P3 color gamut	42.2%
Response time	11 ms
Max. brightness	300 nits

Battery

Capacity	57 Wh
Full charging time	2:00 hr
Battery type	Li-Ion
Replaceable	No
Fast charging	Yes
USB Power Delivery	Yes
Charging port position	Left
Charge power	180 W
Weigh of AC adapter	500 grams

CPU

CPU name	<input type="radio"/> Intel Core i5 11300H <input type="radio"/> Intel Core i7 11370H <input type="radio"/> Intel Core i5 11400H <input checked="" type="radio"/> Intel Core i7 11800H
Base frequency	1.9-2.3 GHz
Turbo frequency	4.6 GHz
Cores	8
Threads	16
L3 Cache	24 MB
Integrated GPU	Intel UHD Graphics for 11th Gen (32 EU)
Fabrication process	10 nm

Benchmarks

Geekbench 5 (Single-Core)	1645	Geekbench 5 (Multi-Core)	9163
Cinebench R23 (Single-Core)	1572	Cinebench R23 (Multi-Core)	12687

[Submit your Cinebench R23 result](#)

Graphics Card

GPU name	<input type="radio"/> GeForce GTX 1650 Mobile 4GB <input type="radio"/> GeForce RTX 3050 Mobile 4GB <input type="radio"/> GeForce RTX 3050 Ti Mobile 4GB <input checked="" type="radio"/> GeForce RTX 3060 Mobile 6GB <input type="radio"/> GeForce RTX 3070 Mobile 6GB
TGP	95 W
Nvidia Optimus	Yes
Type	Dedicated
Fabrication process	8 nm
GPU base clock	1215 MHz
GPU boost clock	1567 MHz
FLOPS	12 TFLOPS
Memory size	6 GB
Memory type	GDDR6
Memory bus	192 bit
Memory speed	14 Gbps
Shading units (cores)	3840
Texture mapping units (TMUs)	120
Raster operations pipelines (ROPs)	48
GPU performance	12 TFLOPS

RAM

RAM size	<input type="radio"/> 8GB <input checked="" type="radio"/> 16GB <input type="radio"/> 32GB <input type="radio"/> 64GB
Channels	2x8 GB
Clock	3200 MHz
Type	DDR4

Upgradable	Yes
Total slots	2
Max. ram size	64 GB

Storage

Storage size	<input type="radio"/> 256GB <input checked="" type="radio"/> 512GB <input type="radio"/> 1024GB <input type="radio"/> 2048GB
Bus	PCI-E Gen 3.0 (4x)
Storage type	SSD (M2)
Channels	1x512 GB
Upgradable	Yes
Total slots	2
NVMe	Yes

Sound

Speakers	2.0
Power	2x2W
Dolby Atmos	No
Loudness	75 dB
Microphones	2

Connectivity

Wi-Fi standard	v6
Bluetooth	v5.2
Fingerprint	No
Optical drive	No
Webcam	Above the display
Webcam resolution	1280 x 720

Ports

USB-A	3x USB 3.2
USB Type-C	1x USB 3.2
Thunderbolt	Thunderbolt 4
HDMI	1x HDMI 2.1
DisplayPort	No
VGA	No
Audio jack (3.5 mm)	Yes
Ethernet (RJ45)	Yes
SD card reader	No
Proprietary charging port	Yes

Input

Keyboard	
Keyboard type	Island
Numpad	Yes
Backlight	Yes
Touchpad	
Surface	Plastic
Windows Precision	Yes

Comparison with competitors

- MSI Katana GF66 or Acer Nitro 5 AN515-57
- MSI GF63 Thin or Acer Nitro 5 AN515-57
- Lenovo IdeaPad Gaming 3 15" (Gen 6, AMD) or Acer Nitro 5 AN515-57
- Asus TUF Gaming F15 (2022) or Acer Nitro 5 AN515-57
- Asus TUF Dash F15 (2022) or Acer Nitro 5 AN515-57
- Acer Nitro 5 AN515-58 or Acer Nitro 5 AN515-57

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Comments

-  **Albert89** 16 June 2022 15:19
Two memory slots for RAM ?
Can the battery be replaced or upgraded for a larger capacity ?
[+136](#) [REPLY](#)
-  **Christiana** 07 May 2022 02:52
Anyone have a suggestion for upgrading the ram to 32Gb? what brand?
[+79](#) [REPLY](#)
-  **Daniel Seaton** 22 April 2022 04:31
I love my Acer Nitro 5 !! Support our ally Taiwan rw
[+19](#) [REPLY](#)

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