



Acer Nitro 5

(AN515-58-51HK)



- Processor: Intel® Core™ i5-12500H
- Display: 15.6" Full-HD IPS 144 Hz (non-glare)
- Memory: 16 GB DDR4 RAM
- Mass storage: 512 GB PCIe Gen4 SSD
- Graphics card: NVIDIA® GeForce® RTX 3050
- Operating system: Windows 11 Home (64 Bit)





Acer AN515-58-51HK

SPECIFICATIONS



Ordering Information

Series	Acer Nitro 5
Model name	AN515-58-51HK
Part number	NH.QFJEL.002
EAN	4711121384868
Short description	15.6" Full-HD IPS 144 Hz (non-glare) / Intel® Core™ i5-12500H / 16 GB DDR4 RAM / 512 GB PCIe Gen4 SSD / NVIDIA® GeForce® RTX 3050 / Windows 11 Home (64 Bit) / Black

Operating System

Operating System	Windows 11 Home (64 Bit)
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Housing

Housing / Color	Black
Component door	-
Dimensions	360.4 x 271.1 x 26.9 mm (W x D x H)
Weight	2.5 kg
Passively cooled (fanless)	-

Display

Display size	15.6 inches (39.62 cm)
Display type	Acer ComfyView™ Full HD IPS Display 144 Hz with LED-Backlight (non-glare)
Display resolution in pixel	1920 x 1080
Aspect ratio	16:9

Processor and chipset

Processor	Intel® Core™ i5-12500H Processor
Clock frequency	2.5 GHz (Up to 4.56GHz Intel® Turbo Boost Max Technology 3.0)
Cache	18 MB Intel® Smart Cache
Processing cores / threads	4 Performance-cores + 8 Efficient-cores / 16 Threads
Chipset	Integrated SOC

Storage and drives

Memory	16 GB DDR4 RAM
Memory configuration	1 x 16 GB DDR4 RAM
Maximum RAM	Up to 32 GB DDR4 RAM (2x 16 GB soDIMM)
Mass storage	512 GB M.2 PCIe NVMe SSD Opal
Optical drive	-

Graphics card

Graphics card	NVIDIA® GeForce® RTX 3050
Graphics card memory dedicated	4 GB GDDR6 VRAM
Maximum Graphic Power	95
Maximum Boost Frequency	1600

Connections

LAN	Killer™ Ethernet E2600
Wireless LAN	Killer™ Wi-Fi 6 AX1650i
Wireless WAN / SIM-Card	-
Wireless Gigabit	-
Bluetooth	Bluetooth® 5.1
NFC	-

I/O ports

HDMI	1x
VGA	-
Displayport	1x DisplayPort™ (über USB-C)
Thunderbolt	1x Thunderbolt™ 4 (via USB Type-C)
USB 3.2	4x (1x Type-A Gen. 1, 2x Type-A Gen. 2 (1x Offline Charger), 1x Type-C Gen. 2)
USB 3.1	-
USB 3.0	-
USB 2.0	-
USB 4.0	-
Ethernet (RJ-45)	1x
Cardreader	-
Audio port	1x speaker/headphone/line-out (supports headsets with built-in microphone)
Docking port	-

Input

Keyboard	Acer FineTip keyboard with numpad (103-/104-/107-keys)
Keyboard layout	US International (QWERTY)
Backlit keyboard	Yes (Red)
Touchpad	Multi-Gesture Touchpad (Microsoft Precision Touchpad Certification)

Security

Fingerprint sensor	-
Kensington Lock	Yes
Security software	Norton Internet Security (Trial)



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Audio and video

Audio	DTS® X: Ultra Audio, Acer TrueHarmony, Cortana compatible with Voice
Speaker	Two built-in stereo speakers
Microphone	Built-in microphone
Webcam	HD Webcam

Battery and power adapter

Battery	Li-Ion battery (4 cells / 57.5 Wh)
Battery lifetime	Up to 3.5 hours (based on MobileMark® 2018 test results)
Power adapter	180 watts power supply
Battery built in	Yes

Software

Office	1 month trial for new Microsoft 365 customers. Credit card required
Other software	Acer Care Center, Acer Configuration Manager, Acer Portal

Warranty

Warranty	2-year mail-in/return service
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Logistics

Quantity per layer	20
Quantity per europallet	60
Quantity per tower	100
Quantity per container	1100
Carton dimensions / weight	543.0 x 341.0 x 80.0 (W x D x H) / 4.05 Kg

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