Acer Nitro 5 5 AN515-58 Gaming Laptop - Intel Core i7-12650H, 16GB, 1TB SSD, NVIDIA GeForce RTX 4060 8G, 15.6" QHD IPS 165Hz, Windows 11, Black

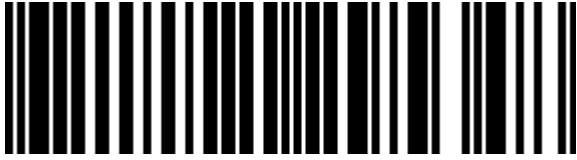**Brand :** Acer   **Product family:** Nitro   **Product code:** NH.QM0EK.00B

Product name : Acer Nitro 5 AN515-58 Gaming Laptop - Intel Core i7-12650H, 16GB, 1TB SSD, NVIDIA GeForce RTX 4060 8G, 15.6" QHD IPS 165Hz, Windows 11, Black

- Windows 11 Home 64-bit
- Intel Core i7-12650H (24MB Cache, 4.7GHz)
- 39.6 cm (15.6") Quad HD 2560 x 1440 IPS, NVIDIA GeForce RTX 4060 (8GB GDDR6)
- 16GB DDR5-SDRAM & 1000GB SSD

Intel Core i7-12650H (24MB Cache, 4.7GHz), 16GB DDR5-SDRAM, 1000GB SSD, 39.6 cm (15.6") Quad HD 2560 x 1440 IPS, Intel UHD Graphics, NVIDIA GeForce RTX 4060 (8GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home 64-bit

Acer Nitro 5 AN515-58 Gaming Laptop - Intel Core i7-12650H, 16GB, 1TB SSD, NVIDIA GeForce RTX 4060 8G, 15.6" QHD IPS 165Hz, Windows 11, Black. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-12650H, Processor frequency: 4.7 GHz. Display diagonal: 39.6 cm (15.6"), HD type: Quad HD, Display resolution: 2560 x 1440 pixels. Internal memory: 16 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics. Operating system installed: Windows 11 Home. Product colour: Black

Design

Product type *	Laptop
Product colour *	Black
Form factor *	Clamshell
Market positioning	Gaming
Country of origin	China

Display

Display diagonal *	39.6 cm (15.6")
Display resolution *	2560 x 1440 pixels
Touchscreen *	✘
HD type	Quad HD
Panel type	IPS
LED backlight	✔
Native aspect ratio	16:9
Display brightness	300 cd/m²
RGB colour space	DCI-P3
Colour gamut	100%
Maximum refresh rate	165 Hz

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	12th gen Intel® Core™ i7
Processor model *	i7-12650H
Processor cores	10
Processor boost frequency	4.7 GHz
Processor frequency *	4.7 GHz
Performance cores	6
Efficient cores	4
Performance-core Max Turbo Frequency	4.7 GHz
Efficient-core Max Turbo Frequency	3.5 GHz
Processor cache	24 MB

Audio

Built-in microphone	✔
Number of microphones	2

Camera

Front camera	✔
Front camera resolution	1280 x 720 pixels
Front camera HD type	HD

Network

Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)
Mobile network connection *	✘
Antenna type	2x2
WLAN controller model	Killer Wi-Fi 6 AX1650i
WLAN controller manufacturer	Killer
Ethernet LAN	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Bluetooth	✔
Bluetooth version	5.1
MIMO	✔
MIMO type	Multi User MIMO

Ports & interfaces

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity *	1
HDMI version	2.1
Thunderbolt 4 ports quantity	1

Processor

Processor cache type	Smart Cache
Processor base power	45 W
Maximum turbo power	115 W

Memory

Internal memory *	16 GB
Internal memory type	DDR5-SDRAM
Memory form factor	SO-DIMM
Memory slots	2x SO-DIMM
Maximum internal memory *	32 GB
Memory data transfer rate	4800 MT/s

Storage

Total storage capacity *	1 TB
Storage media *	SSD
Total SSDs capacity	1 TB
Number of SSDs installed	1
SSD capacity	1 TB
SSD interface	PCI Express
NVMe	✔
SSD form factor	M.2
Optical drive type *	✘

Graphics

Discrete GPU manufacturer	NVIDIA
Discrete graphics card model *	NVIDIA GeForce RTX 4060
Discrete graphics card memory	8 GB
Discrete graphics memory type	GDDR6
On-board graphics card *	✔
On-board GPU manufacturer	Intel
Discrete graphics card *	✔
On-board graphics card family	Intel® UHD Graphics
On-board graphics card model *	Intel® UHD Graphics
NVIDIA G-SYNC	✔
CUDA	✔
CUDA cores	3072

Audio

Audio system	DTS:X Ultra
Number of built-in speakers	2

Ports & interfaces

Intel® Thunderbolt 4	✔
Headphone outputs	1
Combo headphone/mic port	✔
Charging port type	DC-in jack
USB Power Delivery	✔
USB Sleep-and-Charge	✔
USB Sleep-and-Charge ports	1

Keyboard

Pointing device	Touchpad
Keyboard layout	QWERTY
Keyboard language	UK English
Numeric keypad *	✔
Keyboard backlit	✔
Keyboard backlit colour	RGB
Keyboard backlit zone	4-zone RGB

Software

Operating system architecture	64-bit
Operating system installed *	Windows 11 Home

Battery

Battery technology	Lithium-Ion (Li-Ion)
Number of battery cells	4
Battery capacity *	57.5 Wh
Battery life (max)	4 h
Continuous video playback time	4 h
Browsing time (Wi-Fi)	4 h

Security

Cable lock slot	✔
Cable lock slot type	Kensington
Password protection	✔

Weight & dimensions

Width	360.4 mm
Depth	271.1 mm
Height	25.9 mm
Weight *	2.5 kg

Packaging data

Package width	80 mm
Package depth	543 mm
Package height	341 mm
Package weight	4.05 kg

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