



# Acer Nitro 5 5 AN515-58 Gaming Laptop - Intel Core i7-12650H, 16GB, 512GB SSD, NVIDIA GeForce RTX 4050 6G, 15.6" FHD IPS 144Hz, Windows 11, Black

**Brand :** Acer

**Product family:** Nitro

**Product code:** NH.QLZEK.00F

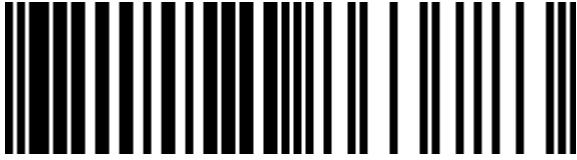
**Product name :** Acer Nitro 5 AN515-58 Gaming Laptop - Intel Core i7-12650H, 16GB, 512GB SSD, NVIDIA GeForce RTX 4050 6G, 15.6" FHD IPS 144Hz, Windows 11, Black



- Windows 11 Home 64-bit  
 - Intel Core i7-12650H (24MB Cache)  
 - 39.6 cm (15.6") Full HD 1920 x 1080 IPS, NVIDIA GeForce RTX 4050 (6GB GDDR6)  
 - 16GB DDR5-SDRAM & 512GB SSD  
 Intel Core i7-12650H (24MB Cache), 16GB DDR5-SDRAM, 512GB SSD, 39.6 cm (15.6") Full HD 1920 x 1080 IPS, Intel UHD Graphics, NVIDIA GeForce RTX 4050 (6GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home 64-bit  
 Acer Nitro 5 AN515-58 Gaming Laptop - Intel Core i7-12650H, 16GB, 512GB SSD, NVIDIA GeForce RTX 4050 6G, 15.6" FHD IPS 144Hz, Windows 11, Black. Product type: Laptop, Form factor: Clamshell.  
 Processor family: Intel® Core™ i7, Processor model: i7-12650H. Display diagonal: 39.6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 16 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics, Discrete graphics card model: NVIDIA GeForce RTX 4050. Operating system installed: Windows 11 Home. Product colour: Black

Design		Camera	
Product type *	Laptop	Front camera	✓
Product colour *	Black	Front camera resolution	1280 x 720 pixels
Form factor *	Clamshell	Front camera HD type	HD
Market positioning	Gaming	Network	
Country of origin	China	Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Display		Wi-Fi standards	802.11a, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)
Display diagonal *	39.6 cm (15.6")	Mobile network connection *	✗
Display resolution *	1920 x 1080 pixels	Antenna type	2x2
Touchscreen *	✗	WLAN controller model	Killer Wi-Fi 6 AX1650i
HD type	Full HD	WLAN controller manufacturer	Killer
Panel type	IPS	Ethernet LAN	✓
LED backlight	✓	Ethernet LAN data rates	10,100,1000 Mbit/s
Native aspect ratio	16:9	Bluetooth	✓
Display brightness	250 cd/m <sup>2</sup>	Bluetooth version	5.1
Maximum refresh rate	144 Hz	MIMO	✓
Processor		MIMO type	Multi User MIMO
Processor manufacturer *	Intel	Ports & interfaces	
Processor family *	Intel® Core™ i7	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Processor generation	12th gen Intel® Core™ i7	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Processor model *	i7-12650H	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Processor cores	10	Ethernet LAN (RJ-45) ports	1
Processor threads	16	HDMI ports quantity *	1
Processor boost frequency	4.7 GHz	HDMI version	2.1
Performance cores	6	Thunderbolt 4 ports quantity	1
Efficient cores	4	Intel® Thunderbolt 4	✓
Performance-core Max Turbo Frequency	4.7 GHz	Headphone outputs	1
Efficient-core Max Turbo Frequency	3.5 GHz	Microphone in	✓
Processor cache	24 MB		
Processor cache type	Smart Cache		
Processor base power	45 W		

<b>Processor</b>		<b>Ports &amp; interfaces</b>	
Maximum turbo power	115 W	Combo headphone/mic port	✓
<b>Memory</b>		USB Type-C DisplayPort Alternate Mode	✓
Internal memory *	16 GB	USB Power Delivery	✓
Internal memory type	DDR5-SDRAM	USB Sleep-and-Charge	✓
Maximum internal memory *	32 GB	USB Sleep-and-Charge ports	1
Memory data transfer rate	4800 MT/s	<b>Keyboard</b>	
<b>Storage</b>		Pointing device	Touchpad
Total storage capacity *	512 GB	Keyboard layout	QWERTY
Storage media *	SSD	Keyboard language	UK English
Total SSDs capacity	512 GB	Numeric keypad *	✓
Number of SSDs installed	1	Keyboard backlit	✓
SSD capacity	512 GB	Keyboard backlit colour	RGB
SSD interface	PCI Express	Keyboard backlit zone	4-zone RGB
NVMe	✓	<b>Software</b>	
SSD form factor	M.2	Operating system architecture	64-bit
Optical drive type *	✗	Operating system installed *	Windows 11 Home
<b>Graphics</b>		<b>Battery</b>	
Discrete GPU manufacturer	NVIDIA	Battery technology	Lithium-Ion (Li-Ion)
Discrete graphics card model *	NVIDIA GeForce RTX 4050	Number of battery cells	4
Discrete graphics card memory	6 GB	Battery capacity *	57.5 Wh
Discrete graphics memory type	GDDR6	Battery life (max)	5 h
On-board graphics card *	✓	Continuous video playback time	5 h
On-board GPU manufacturer	Intel	Browsing time (Wi-Fi)	5 h
Discrete graphics card *	✓	<b>Weight &amp; dimensions</b>	
On-board graphics card family	Intel® UHD Graphics	Width	360.4 mm
On-board graphics card model *	Intel® UHD Graphics	Depth	271.1 mm
NVIDIA G-SYNC	✓	Height	25.9 mm
CUDA	✓	Weight *	2.5 kg
CUDA cores	2560	<b>Packaging data</b>	
<b>Audio</b>		Package width	80 mm
Audio system	DTS:X Ultra	Package depth	543 mm
Built-in microphone	✓	Package height	341 mm
		Package weight	4.05 kg
		<b>Packaging content</b>	
		Cables included	AC



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