



# Acer Nitro 5 AN515-58-582F Intel® Core™ i5 i5-12450H Laptop 39.6 cm (15.6") Full HD 8 GB DDR5-SDRAM 512 GB SSD NVIDIA GeForce RTX 4050 Wi-Fi 6 (802.11ax) Windows 11 Home Black

Brand : Acer

Product family: Nitro

Product code: NH.QLZEK.007

Product name :  
AN515-58-582F



- Windows 11 Home 64-bit  
- Intel Core i5-12450H (12MB Cache)  
- 39.6 cm (15.6") Full HD 1920 x 1080 LCD, NVIDIA GeForce RTX 4050 (6GB GDDR6)  
- 8GB DDR5-SDRAM & 512GB SSD  
Intel Core i5-12450H (12MB Cache), 8GB DDR5-SDRAM, 512GB SSD, 39.6 cm (15.6") Full HD 1920 x 1080 LCD, Intel UHD Graphics, NVIDIA GeForce RTX 4050 (6GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home 64-bit  
Acer Nitro 5 AN515-58-582F. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-12450H. Display diagonal: 39.6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 8 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		Audio	
Product type *	Laptop	Number of built-in speakers	2
Product colour *	Black	Built-in microphone	✓
Form factor *	Clamshell	Number of microphones	2
Market positioning	Gaming	Camera	
Display		Front camera	✓
Display diagonal *	39.6 cm (15.6")	Front camera resolution	1280 x 720 pixels
Display resolution *	1920 x 1080 pixels	Front camera HD type	HD
Touchscreen *	✗	Network	
HD type	Full HD	Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Panel type	LCD	Wi-Fi standards	Wi-Fi 6 (802.11ax)
LED backlight	✓	Mobile network connection *	✗
Native aspect ratio	16:9	Ethernet LAN	✓
Maximum refresh rate	144 Hz	Ethernet LAN data rates	10,1000,100 Mbit/s
Processor		Bluetooth	✓
Processor manufacturer *	Intel	Ports & interfaces	
Processor family *	Intel® Core™ i5	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Processor generation	12th gen Intel® Core™ i5	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Processor model *	i5-12450H	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Processor cores	8	Ethernet LAN (RJ-45) ports	1
Processor boost frequency	4.4 GHz	HDMI ports quantity *	1
Performance cores	4	Headphone outputs	1
Efficient cores	4	Combo headphone/mic port	✓
Performance-core Max Turbo Frequency	4.4 GHz	Charging port type	DC-in jack
Efficient-core Max Turbo Frequency	3.3 GHz	Keyboard	
Processor cache	12 MB	Pointing device	Touchpad
Processor cache type	Smart Cache	Numeric keypad *	✓
Processor base power	45 W	Keyboard backlight	✓
Maximum turbo power	95 W	Keyboard backlight colour	RGB
Memory		Keyboard backlight zone	4-zone RGB
Internal memory *	8 GB		
Internal memory type	DDR5-SDRAM		
Memory form factor	SO-DIMM		

Memory		Software	
Memory slots	2x SO-DIMM	Operating system architecture	64-bit
Maximum internal memory *	32 GB	Operating system installed *	Windows 11 Home
Storage		Battery	
Total storage capacity *	512 GB	Battery technology	Lithium Polymer (LiPo)
Storage media *	SSD	Number of battery cells	4
Total SSDs capacity	512 GB	Battery capacity *	59 Wh
Number of SSDs installed	1	Battery life (max)	5 h
SSD capacity	512 GB	Power	
SSD interface	PCI Express	AC adapter power	230 W
NVMe	✓	Security	
Optical drive type *	✗	Cable lock slot	✓
Graphics		Cable lock slot type	Kensington
Discrete GPU manufacturer	NVIDIA	Trusted Platform Module (TPM)	✓
Discrete graphics card model *	NVIDIA GeForce RTX 4050	Password protection	✓
Discrete graphics card memory	6 GB	Password protection type	BIOS, HDD, Supervisor, User
Discrete graphics memory type	GDDR6	Weight & dimensions	
On-board graphics card *	✓	Width	360.4 mm
On-board GPU manufacturer	Intel	Depth	271.1 mm
Discrete graphics card *	✓	Height (front)	2.59 cm
On-board graphics card family	Intel® UHD Graphics	Height (rear)	2.69 cm
On-board graphics card model *	Intel® UHD Graphics	Weight *	2.5 kg
		Packaging content	
		Cables included	AC



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Publication date: 30-OCT-2024. Prints or copies of Information are only valid on the printed Publication date