



Acer Nitro V 16 V16 (ANV16-I31) gaming laptop - Intel Core 5 210H, NVIDIA RTX 5050, 16" 120Hz WUXGA (1920x1200), 16GB DDR5, 512GB SSD

Brand : Acer

Product family: Nitro

Product code: NH.U58EK.002

Product name : Acer Nitro V16 (ANV16-I31) gaming laptop - Intel Core 5 210H, NVIDIA RTX 5050, 16" 120Hz WUXGA (1920x1200), 16GB DDR5, 512GB SSD



- Intel Core 5 210H
- NVIDIA RTX 5050
- 16" 120Hz WUXGA display
- 16GB DDR5 RAM
- 512GB SSD

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Acer Nitro V 16 V16 (ANV16-I31) gaming laptop - Intel Core 5 210H, NVIDIA RTX 5050, 16" 120Hz WUXGA (1920x1200), 16GB DDR5, 512GB SSD. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core 5, Processor model: 210H, Processor frequency: 2.2 GHz. Display diagonal: 40.6 cm (16"), HD type: WUXGA, Display resolution: 1920 x 1200 pixels. Internal memory: 16 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. Discrete graphics card model: NVIDIA® GeForce RTX™ 5050. Operating system installed: Windows 11 Home. Product colour: Black

Design		Network	
Colour name	Black	Bluetooth version	5.2
Product type *	Laptop	Ports & interfaces	
Product colour *	Black	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Form factor *	Clamshell	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
Market positioning	Gaming	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Country of origin	China	Ethernet LAN (RJ-45) ports	1
Display		HDMI ports quantity *	1
Display diagonal *	40.6 cm (16")	HDMI version	2.1
Display resolution *	1920 x 1200 pixels	Line-in	✗
Touchscreen *	✗	Combo headphone/mic port	✓
HD type	WUXGA	HDCP	✓
Panel type	IPS	USB ports quantity	4
Display technology marketing name	ComfyView	Line-out	✓
Native aspect ratio	16:10	USB Type-C DisplayPort Alternate Mode	✓
Display surface	Matt	USB Sleep-and-Charge	✓
Anti-microbial screen	✗	USB Sleep-and-Charge ports	1
Display brightness	350 cd/m²	Keyboard	
RGB colour space	sRGB	Keyboard special features	RGB 4 Zones Backlight
Colour gamut	100%	Pointing device	Touchpad
Maximum refresh rate	120 Hz	Numeric keypad *	✓
sRGB coverage (typical)	100%	Keyboard backlit	✓
Processor		Keyboard backlit colour	RGB
Processor manufacturer *	Intel	Keyboard backlit zone	4-zone RGB
Processor family *	Intel Core 5	Keyboard layout	QWERTY
Processor model *	210H	Keyboard language	UK English
Processor cores	8	Copilot key	✓
Processor threads	4		
Processor frequency *	2.2 GHz		
Processor cache	12 MB		
Processor operating modes	64-bit		

Neural processor unit (NPU)		Keyboard	
Copilot+ PC	✗	Touchpad features	Microsoft Precision Touchpad Certification
Memory		Software	
Internal memory *	16 GB	Microsoft Copilot	✓
Internal memory type	DDR5-SDRAM	Operating system installed *	Windows 11 Home
Memory slots	2x SO-DIMM	Bundled software	Windows Desktop Apps In-House: Acer ORD Service Acer QuickPanel NitroSense V5 (NB) Tools: Acer My Key Application
Maximum internal memory *	32 GB		
Storage		Battery	
Total storage capacity *	512 GB	Battery technology	Lithium-Ion (Li-Ion)
Storage media *	SSD	Number of battery cells	4
Total SSDs capacity	512 GB	Battery capacity *	76 Wh
SSD capacity	512 GB	Battery life (max)	12 h
SSD interface	PCI Express 4.0	Power	
NVMe	✓	AC adapter power	135 W
SSD form factor	M.2	USB Type-C charging port *	✓
Optical drive type *	✗	USB Type-C required charging power (min) *	100 W
Graphics		USB Type-C required charging power (max) *	100 W
Discrete GPU manufacturer	NVIDIA	USB Power Delivery (USB PD)	✓
Discrete graphics card model *	NVIDIA® GeForce RTX™ 5050	USB charging voltage	20 V
Discrete graphics card memory	8 GB	Security	
Discrete graphics memory type	GDDR7	Cable lock slot	✓
Discrete graphics card *	✓	Cable lock slot type	Kensington
Audio		Fingerprint reader	✗
Audio system	DTS:X Ultra	Trusted Platform Module (TPM)	✓
Built-in speaker(s)	✓	Weight & dimensions	
Number of built-in speakers	2	Width	356.5 mm
Built-in microphone	✓	Depth	260 mm
Number of microphones	3	Height	19.9 mm
Camera		Height (rear)	1.99 cm
Front camera	✓	Weight *	2.1 kg
Front camera resolution	1920 x 1080 pixels	Packaging data	
Front camera HD type	Full HD	Package width	70 mm
Privacy camera	✓	Package depth	528 mm
Privacy type	Privacy shutter	Package height	316 mm
Network		Package weight	3.76 kg
Wi-Fi	✓	Packaging content	
Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)	Mouse included	✗
Wi-Fi standards	802.11a, 802.11b, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax), 802.11g	AC adapter included *	✓
		Keyboard included	✓
Mobile network connection *	✗	Power cord included	✓
Wi-Fi band	Dual-band (2.4 GHz / 5 GHz)	Packaging content	Nitro V 16 ANV16-I31-57EZ Gaming Notebook Lithium Ion (Li-Ion) Battery Power Adapter Power Cord
WLAN controller model	Killer Wi-Fi 6 AX1650i	Other features	
WLAN controller manufacturer	Intel	Chipset	Intel®
Ethernet LAN	✓	Manufacturer	Acer, Inc
Ethernet LAN data rates	1000 Mbit/s		
Bluetooth	✓		

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