



Acer Nitro V 16 ANV16-I31-79HH Gaming Notebook

Brand : Acer

Product family: Nitro

Product code: NH.U58EK.00S

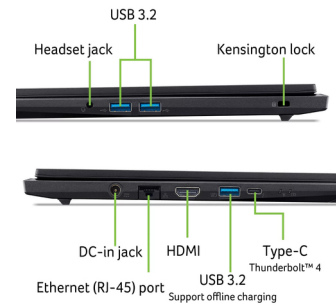
Product name : Nitro V 16
ANV16-I31-79HH Gaming
Notebook



Acer Nitro V16 (ANV16-I31) gaming laptop – Intel Core 7 240H, NVIDIA RTX 5050, 16" 120Hz WUXGA (1920×1200), 16GB DDR5, 512GB SSD

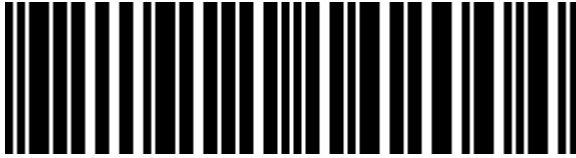
Acer Nitro V 16 ANV16-I31-79HH Gaming Notebook:

The Acer Nitro V16 ANV16-I31 delivers fast, responsive gaming performance powered by the Intel Core 7 240H processor and NVIDIA GeForce RTX 5050 graphics. Its 16-inch WUXGA IPS display with a smooth 120Hz refresh rate ensures sharp visuals and fluid gameplay, while 16GB DDR5 memory and a 512GB PCIe NVMe SSD provide quick load times and efficient multitasking. With Thunderbolt 4 connectivity, DTS:X Ultra audio, RGB 4-zone keyboard and Killer Wi-Fi 6, this Nitro V16 is built for gamers who want reliable performance in a sleek, modern chassis.



Design		Network	
Colour name	Black	Mobile network connection *	✗
Product type *	Laptop	WLAN controller model	Killer Wi-Fi 6 AX1650i
Product colour *	Black	WLAN controller manufacturer	Intel
Form factor *	Clamshell	Ethernet LAN	✓
Market positioning	Gaming	Ethernet LAN data rates	1000 Mbit/s
AI-powered	✓	Bluetooth	✓
Country of origin	China	Bluetooth version	5.2
Display		Ports & interfaces	
Display diagonal *	40.6 cm (16")	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Display resolution *	1920 x 1200 pixels	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
Touchscreen *	✗	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
HD type	WUXGA	Ethernet LAN (RJ-45) ports	1
Panel type	IPS	HDMI ports quantity *	1
Display technology marketing name	ComfyView	HDMI version	2.1
Native aspect ratio	16:10	Line-in	✗
Display surface	Matt	Combo headphone/mic port	✓
Anti-microbial screen	✗	HDMI	✓
Display brightness	350 cd/m²	HDCP	✓
RGB colour space	sRGB	USB ports quantity	4
Colour gamut	100%	Line-out	✓
Maximum refresh rate	120 Hz		
sRGB coverage (typical)	100%		
Contrast ratio (typical)	1000:1		
Processor		Keyboard	
Processor manufacturer *	Intel	Keyboard special features	RGB 4 Zones Backlight
Processor family *	Intel Core 7	Pointing device	Touchpad
Processor model *	240H	Numeric keypad *	✓
Processor cores	10	Keyboard backlit	✓
Processor threads	16	Keyboard language	UK English
Processor boost frequency	5.2 GHz		

Processor		Keyboard	
Processor frequency *	2.5 GHz	Copilot key	✓
Processor cache	24 MB	Touchpad features	Microsoft Precision Touchpad Certification
Processor operating modes	64-bit		
Neural processor unit (NPU)		Software	
Copilot+ PC	✗	Microsoft Copilot	✓
Memory		Operating system installed *	Windows 11 Home
Internal memory *	16 GB	Windows Desktop Apps In-House: Acer ORD Service Acer QuickPanel NitroSense V5 (NB) Tools: Acer My Key Application	
Internal memory type	DDR5-SDRAM		
Memory clock speed	5600 MHz		
Memory form factor	SO-DIMM	Bundled software	
Memory layout (slots x size)	1 x 16 GB		
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		
NVMe	✓		
SSD form factor	M.2		
Optical drive type *	✗		
Graphics		Power	
Discrete GPU manufacturer	NVIDIA	AC adapter power	135 W
Discrete graphics card model *	NVIDIA® GeForce RTX™ 5050 Laptop GPU	USB Type-C charging port *	✓
Discrete graphics card memory	8 GB	USB Type-C required charging power (min) *	100 W
Discrete graphics memory type	GDDR7	USB Power Delivery (USB PD)	✓
Discrete graphics card *	✓		
Audio		Security	
Audio system	DTS:X Ultra	Fingerprint reader	✗
Built-in speaker(s)	✓	Trusted Platform Module (TPM)	✓
Number of built-in speakers	2		
Built-in microphone	✓		
Number of microphones	3		
Camera		Weight & dimensions	
Front camera	✓	Width	356.5 mm
Front camera resolution	1920 x 1080 pixels	Depth	260 mm
Front camera HD type	Full HD	Height	19.9 mm
Privacy camera	✓	Height (front)	1.14 cm
Privacy type	Privacy shutter	Height (rear)	1.99 cm
Network		Weight *	2.1 kg
Wi-Fi	✓		
Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)		
Wi-Fi standards	802.11a, 802.11ad, 802.11b, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)		
		Packaging data	
		Package width	70 mm
		Package depth	528 mm
		Package height	316 mm
		Package weight	3.76 kg
		Packaging content	
		AC adapter included *	✓
		Keyboard included	✓
		Power cord included	✓
		Packaging content	Nitro V 16 ANV16-I31-79HH Gaming Notebook Lithium Ion (Li-Ion) Battery Power Adapter Power Cord Warranty Card
		Other features	
		Security features	Firmware Trusted Platform Module (TPM) solution BIOS user, supervisor passwords Kensington lock slot Camera shutter
		Chipset	Intel®
		Manufacturer	Acer, Inc



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