



Acer Nitro V 16 V16 (ANV16-I31) gaming laptop - Intel Core 7 240H, NVIDIA RTX 5060, 16" 120Hz WUXGA (1920×1200), 16GB DDR5, 512GB SSD

Brand : Acer

Product family: Nitro

Product code: NH.U59EK.008

Product name : Acer Nitro V16 (ANV16-I31) gaming laptop – Intel Core 7 240H, NVIDIA RTX 5060, 16" 120Hz WUXGA (1920×1200), 16GB DDR5, 512GB SSD



- Intel Core 7 Series 2 240H processor (10-core, up to 5.2GHz)
- NVIDIA GeForce RTX 5060 graphics with 8GB GDDR7
- 16" WUXGA (1920×1200) IPS display, 120Hz refresh rate
- 16GB DDR5 5600MHz memory
- 512GB PCIe NVMe 4.0 SSD storage
- Thunderbolt 4 + USB-C DP 2.1 support
- RGB 4-zone backlit keyboard with Copilot key
- DTS:X Ultra audio with dual speakers
- Killer Wi-Fi 6 AX1650i + Gigabit Ethernet
- Up to 12 hours battery life (video playback)

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Design		Network	
Colour name	Black	Ethernet LAN	✓
Product type *	Laptop	Ethernet LAN data rates	1000 Mbit/s
Product colour *	Black	Bluetooth	✓
Form factor *	Clamshell	Bluetooth version	5.2
Market positioning	Gaming	Ports & interfaces	
AI-powered	✗	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Country of origin	China	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
Display		USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Display diagonal *	40.6 cm (16")	HDMI ports quantity *	1
Display resolution *	1920 x 1200 pixels	HDMI version	2.1
Touchscreen *	✗	Line-in	✗
HD type	WUXGA	Combo headphone/mic port	✓
Panel type	IPS	HDCP	✓
Display technology marketing name	ComfyView	USB ports quantity	4
Native aspect ratio	16:10	Line-out	✓
Display surface	Matt	USB Type-C DisplayPort Alternate Mode	✓
Anti-glare screen	✓	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	✓
Contrast ratio (typical)	1000:1	Keyboard backlit colour	RGB
Processor		Keyboard backlit zone	4-zone RGB
Processor manufacturer *	Intel	Keyboard layout	QWERTY
Processor family *	Intel Core 7	Keyboard language	UK English
Processor model *	240H	Copilot key	✓
Processor cores	10		
Processor threads	8		
Processor frequency *	2.5 GHz		
Processor cache	24 MB		

Processor		Keyboard	
Processor operating modes	64-bit	Touchpad features	Microsoft Precision Touchpad Certification
Neural processor unit (NPU)		Software	
Copilot+ PC	✗	Operating system installed *	Windows 11 Home
Memory		Bundled software	Windows Desktop Apps In-House: Acer ORD Service Acer QuickPanel NitroSense V5 (NB) Tools: Acer My Key Application
Internal memory *	16 GB	Battery	
Internal memory type	DDR5-SDRAM	Battery technology	Lithium-Ion (Li-Ion)
Memory form factor	SO-DIMM	Number of battery cells	4
Memory layout (slots x size)	2 x 8 GB	Battery capacity *	76 Wh
Memory slots	2x SO-DIMM	Battery life (max)	12 h
Maximum internal memory *	32 GB	Power	
Storage		AC adapter power	135 W
Total storage capacity *	512 GB	USB Type-C charging port *	✓
Storage media *	SSD	USB Type-C required charging power (min) *	100 W
Total SSDs capacity	512 GB	USB Type-C required charging power (max) *	100 W
SSD capacity	512 GB	USB Power Delivery (USB PD)	✓
SSD interface	PCI Express 4.0	USB charging voltage	20 V
NVMe	✓	Security	
SSD form factor	M.2	Cable lock slot	✓
Optical drive type *	✗	Cable lock slot type	Kensington
Graphics		Fingerprint reader	✗
Discrete GPU manufacturer	NVIDIA	Trusted Platform Module (TPM)	✓
Discrete graphics card model *	NVIDIA GeForce RTX 5060	Weight & dimensions	
Discrete graphics card memory	8 GB	Width	356.5 mm
Discrete graphics memory type	GDDR7	Depth	260 mm
Discrete graphics card *	✓	Height	19.9 mm
Audio		Height (rear)	1.99 cm
Audio system	DTS:X Ultra	Weight *	2.1 kg
Built-in speaker(s)	✓	Packaging data	
Number of built-in speakers	2	Package width	70 mm
Built-in microphone	✓	Package depth	528 mm
Number of microphones	3	Package height	316 mm
Camera		Package weight	3.76 kg
Front camera	✓	Packaging content	
Front camera resolution	1920 x 1080 pixels	Mouse included	✗
Front camera HD type	Full HD	AC adapter included *	✓
Privacy camera	✓	Keyboard included	✓
Privacy type	Privacy shutter	Power cord included	✓
Network		Packaging content	Nitro V 16 ANV16-I31-789D Gaming Notebook Lithium Ion (Li-Ion) Battery Power Adapter Power Cord
Wi-Fi	✓	Other features	
Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)	Chipset	Intel®
Wi-Fi standards	802.11a, 802.11ad, 802.11b, 802.11g, Wi-Fi 4 (802.11n), Wi-Fi 5 (802.11ac), Wi-Fi 6 (802.11ax)	Manufacturer	Acer, Inc
Mobile network connection *	✗		
WLAN controller model	Killer Wi-Fi 6 AX1650i		
WLAN controller manufacturer	Intel		

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