



Acer Nitro V 16 AI V16 AI (ANV16-42) gaming laptop - AMD Ryzen 7 260, NVIDIA RTX 5050, 16" 180Hz WUXGA (1920x1200), 16GB DDR5, 512GB SSD

Brand : Acer

Product family: Nitro

Product code: NH.QYWEK.003

Product name : Acer Nitro V16 AI (ANV16-42) gaming laptop - AMD Ryzen 7 260, NVIDIA RTX 5050, 16" 180Hz WUXGA (1920x1200), 16GB DDR5, 512GB SSD



- AMD Ryzen 7 260
- NVIDIA RTX 5050
- 16" 180Hz WUXGA display
- 16GB DDR5 RAM
- 512GB SSD

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Acer Nitro V 16 AI V16 AI (ANV16-42) gaming laptop - AMD Ryzen 7 260, NVIDIA RTX 5050, 16" 180Hz WUXGA (1920x1200), 16GB DDR5, 512GB SSD. Product type: Laptop, Form factor: Clamshell. Processor family: AMD Ryzen™ 7, Processor model: 260, Processor frequency: 3.8 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. On-board graphics card model: AMD Radeon 780M. Operating system installed: Windows 11 Home. Product colour: Black

Design		Network	
Colour name	Black	Wi-Fi standards	Wi-Fi 6E (802.11ax), Wi-Fi 6 (802.11ax), Wi-Fi 5 (802.11ac), Wi-Fi 4 (802.11n), 802.11g, 802.11b, 802.11a
Product type *	Laptop		
Product colour *	Black	Mobile network connection *	✗
Form factor *	Clamshell		
AI-powered	✓	Wi-Fi band	Tri-band (2.4 GHz / 5 GHz / 6 GHz)
Country of origin	China	Antenna type	2x2
Display		Ethernet LAN	✓
Foldable display	✗	Ethernet LAN data rates	1000 Mbit/s
Display diagonal *	40.6 cm (16")	Bluetooth	✓
Display resolution *	1920 x 1200 pixels	Bluetooth version	5.3
Touchscreen *	✗	MIMO	✓
HD type	WUXGA	MIMO type	Multi User MIMO
Panel type	IPS	Ports & interfaces	
Display technology marketing name	ComfyView	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
LED backlight	✓	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Native aspect ratio	16:10	USB4 Gen 2x2 ports quantity	1
Display surface	Matt	Ethernet LAN (RJ-45) ports	1
Anti-microbial screen	✗	HDMI ports quantity *	1
Display brightness	300 cd/m²	HDMI version	2.1
RGB colour space	NTSC	Line-in	✗
Colour gamut	45%	Combo headphone/mic port	✓
Maximum refresh rate	180 Hz	HDMI	✓
Processor		HDCP	✓
Processor manufacturer *	AMD	USB4 ports quantity	1
Processor family *	AMD Ryzen™ 7	USB ports quantity	4
Processor generation	AMD Ryzen 200 Series	Line-out	✓
Processor model *	260	USB Type-C DisplayPort Alternate Mode	✓
Processor cores	8	USB Sleep-and-Charge	✓
Processor threads	16		
Processor boost frequency	5.1 GHz		
Processor frequency *	3.8 GHz		

Processor		Ports & interfaces	
L3 cache	16 MB	USB Sleep-and-Charge ports	1
L2 cache	8 MB	Keyboard	
Processor operating modes	64-bit	Keyboard special features	Amber Backlight
Neural processor unit (NPU)		Pointing device	Touchpad
Copilot+ PC	✗	Numeric keypad *	✓
Neural processor unit (NPU)	AMD Ryzen AI	Keyboard backlit	✓
NPU performance up to	16 TOPs	Keyboard backlit colour	Amber
Memory		Keyboard language	UK English
Internal memory *	16 GB	Copilot key	✓
Internal memory type	DDR5-SDRAM	Touchpad features	Microsoft Precision Touchpad Certification
Memory clock speed	5600 MHz	Software	
Memory layout (slots x size)	2 x 8 GB	Operating system installed *	Windows 11 Home
Maximum internal memory *	32 GB	Bundled software	Windows Desktop Apps Games: Planet9 Stub (For Gaming) In-House: Acer LiveArt Acer QuickPanel NitroSense V5 (NB)
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
Number of SSDs installed	1	Battery life (max)	7.5 h
SSD capacity	512 GB	Continuous video playback time (max)	7.5 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) *	65 W
Graphics		USB Type-C required charging power (max) *	65 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	Fingerprint reader	✗
On-board graphics card *	✓	Weight & dimensions	
On-board GPU manufacturer	AMD	Width	360 mm
Discrete graphics card *	✓	Depth	275.6 mm
On-board graphics card family	AMD Radeon	Height	24.5 mm
On-board graphics card model *	AMD Radeon 780M	Height (rear)	2.45 cm
On-board graphics card cores	12	Weight *	2.44 kg
Audio		Packaging data	
Audio system	DTS:X Ultra	Package width	70 mm
Spatial audio	✓	Package depth	528 mm
Built-in speaker(s)	✓	Package height	316 mm
Number of built-in speakers	2	Package weight	3.76 kg
Built-in microphone	✓	Packaging content	
Number of microphones	3	AC adapter included *	✓
Camera		Keyboard included	✓
Front camera	✓	Power cord included	✓
Front camera resolution (numeric)	1 MP	Packaging content	Nitro V 16 AI ANV16-42-R85H Gaming Notebook Lithium Ion (Li-Ion) Battery Power Adapter Power Cord
Front camera resolution	1280 x 720 pixels		
Front camera HD type	HD		
Network			
Wi-Fi	✓		
Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)		

Other features

Security features	BIOS user, supervisor passwords Kensington lock slot MSFT Pluton Security Processor as Firmware TPM solution
Chipset	AMD
Manufacturer	Acer, Inc

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