



Acer Nitro V 16 AI ANV16-42-R85H Gaming Notebook

Brand : Acer

Product family: Nitro

Product code: NH.QYWEK.003

Product name : Nitro V 16 AI
ANV16-42-R85H Gaming
Notebook



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

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

Acer Nitro V 16 AI ANV16-42-R85H Gaming Notebook. 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		Camera	
Product type *	Laptop	Front camera	✓
Product colour *	Black	Front camera resolution (numeric)	1 MP
Form factor *	Clamshell	Front camera resolution	1280 x 720 pixels
Country of origin	China	Front camera HD type	HD
Display		Network	
Foldable display	✗	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Display diagonal *	40.6 cm (16")		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
Display resolution *	1920 x 1200 pixels	Wi-Fi standards	
Touchscreen *	✗	Mobile network connection *	✗
HD type	WUXGA	Wi-Fi band	Tri-band (2.4 GHz / 5 GHz / 6 GHz)
Panel type	IPS	Antenna type	2x2
LED backlight	✓	Ethernet LAN	✓
Native aspect ratio	16:10	Ethernet LAN data rates	1000,100,10 Mbit/s
Maximum refresh rate	180 Hz	Bluetooth	✓
Processor		Bluetooth version	5.3
Processor manufacturer *	AMD	MIMO	✓
Processor family *	AMD Ryzen™ 7	MIMO type	Multi User MIMO
Processor generation	AMD Ryzen 200 Series	Ports & interfaces	
Processor model *	260	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Processor cores	8	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Processor threads	16	USB4 Gen 2x2 ports quantity	1
Processor boost frequency	5.1 GHz	Ethernet LAN (RJ-45) ports	1
Processor frequency *	3.8 GHz	HDMI ports quantity *	1
L3 cache	16 MB	HDMI version	2.1
L2 cache	8 MB	USB Type-C DisplayPort Alternate Mode	✓
Neural processor unit (NPU)		USB Sleep-and-Charge	✓
Copilot+ PC	✗	USB Sleep-and-Charge ports	1
Memory			
Internal memory *	16 GB		
Internal memory type	DDR5-SDRAM		
Memory clock speed	5600 MHz		

Memory		Keyboard	
Memory layout (slots x size)	2 x 8 GB	Pointing device	Touchpad
Maximum internal memory *	32 GB	Numeric keypad *	✓
Storage		Keyboard backlit	✓
Total storage capacity *	512 GB	Keyboard backlit colour	Amber
Storage media *	SSD	Keyboard language	UK English
Number of SSDs installed	1	Software	
SSD capacity	512 GB	Operating system installed *	Windows 11 Home
SSD interface	M.2, PCI Express 4.0	Battery	
NVMe	✓	Battery technology	Lithium-Ion (Li-Ion)
SSD form factor	M.2	Number of battery cells	4
Optical drive type *	✗	Battery capacity *	76 Wh
Graphics		Continuous video playback time (max)	7.5 h
Discrete GPU manufacturer	NVIDIA	Power	
Discrete graphics card model *	NVIDIA® GeForce RTX™ 5050	AC adapter power	135 W
Discrete graphics card memory	8 GB	USB Type-C charging port *	✓
Discrete graphics memory type	GDDR7	USB Type-C required charging power (max) *	65 W
On-board graphics card *	✓	USB Power Delivery (USB PD)	✓
On-board GPU manufacturer	AMD	USB charging voltage	20 V
Discrete graphics card *	✓	Weight & dimensions	
On-board graphics card family	AMD Radeon	Width	360 mm
On-board graphics card model *	AMD Radeon 780M	Depth	275.6 mm
On-board graphics card cores	12	Height	24.5 mm
Audio		Weight *	2.44 kg
Audio system	DTS:X Ultra	Packaging data	
Spatial audio	✓	Package width	70 mm
Number of built-in speakers	2	Package depth	528 mm
Built-in microphone	✓	Package height	316 mm
Number of microphones	3	Package weight	3.76 kg
		Packaging content	
		AC adapter included *	✓



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