



Acer Nitro V 15 V15 (ANV15-A31) Gaming Laptop - AMD Ryzen 7 170, NVIDIA RTX 5060, 15.6" 165Hz Full HD (1920x1080), 16GB DDR5, 512GB SSD

Brand : Acer

Product family: Nitro

Product code: NH.U3PEK.00U

Product name : Acer Nitro V15 (ANV15-A31) Gaming Laptop - AMD Ryzen 7 170, NVIDIA RTX 5060, 15.6" 165Hz Full HD (1920x1080), 16GB DDR5, 512GB SSD



- AMD Ryzen 7 170
- NVIDIA RTX 5060
- 15.6" 165Hz Full HD display
- 16GB DDR5 RAM
- 512GB SSD

Acer Nitro V15 (ANV15-A31) gaming laptop - AMD Ryzen 7 170, NVIDIA RTX 5060, 15.6" 165Hz Full HD (1920x1080), 16GB DDR5, 512GB SSD

Acer Nitro V 15 V15 (ANV15-A31) Gaming Laptop - AMD Ryzen 7 170, NVIDIA RTX 5060, 15.6" 165Hz Full HD (1920x1080), 16GB DDR5, 512GB SSD. Product type: Laptop, Form factor: Clamshell. Processor family: AMD Ryzen™ 7, Processor model: 170, Processor frequency: 3.2 GHz. Display diagonal: 39.6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 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 680M. Operating system installed: Windows 11 Home. Product colour: Black

Design		Network	
Colour name	Black	Wi-Fi standards	Wi-Fi 6 (802.11ax), Wi-Fi 6E (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		
Country of origin	China	Antenna type	2x2
Display		Ethernet LAN	✓
Foldable display	✗	Ethernet LAN data rates	1000 Mbit/s
Display diagonal *	39.6 cm (15.6")	Bluetooth	✓
Display resolution *	1920 x 1080 pixels	Bluetooth version	5.4
Touchscreen *	✗	MIMO	✓
HD type	Full HD	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 *	3
LED backlight	✓	USB4 Gen 3x2 ports quantity	1
Native aspect ratio	16:9	Ethernet LAN (RJ-45) ports	1
Display surface	Matt	HDMI ports quantity *	1
Anti-glare screen	✓	HDMI version	2.1
Anti-microbial screen	✗	Line-in	✗
Display brightness	300 cd/m²	Combo headphone/mic port	✓
RGB colour space	NTSC	HDMI	✓
Colour gamut	45%	HDCP	✓
Maximum refresh rate	165 Hz	USB4 ports quantity	1
Contrast ratio (typical)	1000:1	USB ports quantity	4
Processor		Line-out	✓
Processor manufacturer *	AMD	USB Type-C DisplayPort Alternate Mode	✓
Processor family *	AMD Ryzen™ 7	USB Sleep-and-Charge	✓
Processor generation	AMD Ryzen 100 Series	USB Sleep-and-Charge ports	1
Processor model *	170		
Processor cores	8		
Processor threads	16		
Processor boost frequency	4.75 GHz		

Processor		Keyboard	
Processor frequency *	3.2 GHz	Keyboard special features	NitroSense
Processor cache	16 MB	Pointing device	Touchpad
L3 cache	16 MB	Numeric keypad *	✓
L2 cache	4 MB	Keyboard backlit	✓
Processor operating modes	64-bit	Keyboard backlit colour	RGB
Neural processor unit (NPU)		Keyboard layout	QZERTY
Copilot+ PC	✗	Keyboard language	UK English
Memory		Copilot key	✓
Internal memory *	16 GB	Touchpad features	Microsoft Precision Touchpad Certification
Internal memory type	DDR5-SDRAM	Software	
Memory clock speed	4800 MHz	Microsoft Copilot	✓
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 ORD Service Acer QuickPanel NitroSense V5 (NB) Tools: Acer My Key Application
Storage			
Total storage capacity *	512 GB		
Storage media *	SSD	Battery	
Total SSDs capacity	512 GB	Battery technology	Lithium-Ion (Li-Ion)
Number of SSDs installed	1	Number of battery cells	4
SSD capacity	512 GB	Battery capacity *	76 Wh
SSD interface	PCI Express 4.0	Battery life (max)	10.5 h
NVMe	✓	Continuous video playback time (max)	10.5 h
SSD form factor	M.2	Power	
Optical drive type *	✗	AC adapter power	135 W
Graphics		USB Type-C charging port *	✓
Discrete GPU manufacturer	NVIDIA	USB Type-C required charging power (min) *	90 W
Discrete graphics card model *	NVIDIA GeForce RTX 5060	USB Type-C required charging power (max) *	90 W
Discrete graphics card memory	8 GB	USB Power Delivery (USB PD)	✓
Discrete graphics memory type	GDDR7	USB charging voltage	20 V
On-board graphics card *	✓	Security	
On-board GPU manufacturer	AMD	Fingerprint reader	✗
Discrete graphics card *	✓	Trusted Platform Module (TPM)	✓
On-board graphics card family	AMD Radeon	Password protection	✓
On-board graphics card model *	AMD Radeon 680M	Password protection type	Supervisor, User
On-board graphics card cores	12	Weight & dimensions	
NVIDIA G-SYNC	✓	Width	362.3 mm
Audio		Depth	239.9 mm
Audio system	DTS:X Ultra	Height	23.5 mm
Spatial audio	✓	Height (rear)	2.35 cm
Built-in speaker(s)	✓	Weight *	2.1 kg
Number of built-in speakers	2	Packaging data	
Built-in microphone	✓	Package width	65 mm
Number of microphones	2	Package depth	498 mm
Camera		Package height	310 mm
Front camera	✓	Package weight	2.77 kg
Front camera resolution (numeric)	2 MP	Packaging content	
Front camera resolution	1920 x 1080 pixels	AC adapter included *	✓
Front camera HD type	Full HD	Keyboard included	✓
Video capturing speed	30 fps	Power cord included	✓
Network		Packaging content	Nitro V 15 ANV15-A31-R4A1 Gaming Notebook Lithium Ion (Li-Ion) Battery Power Adapter Power Cord
Wi-Fi	✓		
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)		

Other features

Security features	Kensington lock slot Firmware Trusted Platform Module (TPM) solution BIOS Passwords: User Supervisor
Chipset	AMD
Manufacturer	Acer, Inc

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