



Acer Nitro V 15 V15 (ANV15-A31) Gaming Laptop - AMD Ryzen 5 150, NVIDIA RTX 5060, 15.6" 165Hz Full HD (1920x1080), 16GB DDR5, 512GB SSD

Brand : Acer

Product family: Nitro

Product code: NH.U3PEK.00M

Product name : Acer Nitro V15 (ANV15-A31) Gaming Laptop - AMD Ryzen 5 150, NVIDIA RTX 5060, 15.6" 165Hz Full HD (1920x1080), 16GB DDR5, 512GB SSD



- AMD Ryzen 5 150
- NVIDIA RTX 5060
- 15.6" 165Hz Full HD display
- 16GB DDR5 RAM
- 512GB SSD

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Acer Nitro V 15 V15 (ANV15-A31) Gaming Laptop - AMD Ryzen 5 150, NVIDIA RTX 5060, 15.6" 165Hz Full HD (1920x1080), 16GB DDR5, 512GB SSD. Product type: Laptop, Form factor: Clamshell. Processor family: AMD Ryzen™ 5, Processor model: 150, Processor frequency: 3.3 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 660M. 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		
Market positioning	Gaming	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 *	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 2x2 ports quantity	1
Native aspect ratio	16:9	Ethernet LAN (RJ-45) ports	1
Display surface	Matt	HDMI ports quantity *	1
Anti-microbial screen	✗	HDMI version	2.1
Display brightness	300 cd/m²	Line-in	✗
Pixel density	141.2 ppi	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™ 5	USB Sleep-and-Charge	✓
Processor generation	AMD Ryzen 100 Series	USB Sleep-and-Charge ports	1
Processor model *	150		
Processor cores	6		
Processor threads	12		

Processor		Keyboard	
Processor boost frequency	4.55 GHz	Keyboard special features	NitroSense
Processor frequency *	3.3 GHz	Pointing device	Touchpad
Processor cache	16 MB	Numeric keypad *	✓
L3 cache	16 MB	Keyboard backlit	✓
L2 cache	3 MB	Keyboard backlit colour	RGB
Processor operating modes	64-bit	Keyboard backlit zone	4-zone RGB
Neural processor unit (NPU)		Keyboard language	UK English
Copilot+ PC	✗	Copilot key	✓
Memory		Touchpad features	Microsoft Precision Touchpad Certification
Internal memory *	16 GB	Software	
Internal memory type	DDR5-SDRAM	Operating system installed *	Windows 11 Home
Memory clock speed	4800 MHz	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
Memory layout (slots x size)	2 x 8 GB		
Maximum internal memory *	32 GB	Battery	
Storage		Battery technology	Lithium-Ion (Li-Ion)
Total storage capacity *	512 GB	Number of battery cells	4
Storage media *	SSD	Battery capacity *	76 Wh
Total SSDs capacity	512 GB	Battery life (max)	10.5 h
Number of SSDs installed	1	Continuous video playback time (max)	10.5 h
SSD capacity	512 GB	Power	
SSD interface	PCI Express 4.0	AC adapter power	135 W
NVMe	✓	USB Type-C charging port *	✓
SSD form factor	M.2	USB Type-C required charging power (min) *	90 W
Optical drive type *	✗	USB Type-C required charging power (max) *	90 W
Graphics		USB Power Delivery (USB PD)	✓
Discrete GPU manufacturer	NVIDIA	USB charging voltage	20 V
Discrete graphics card model *	NVIDIA GeForce RTX 5060	Security	
Discrete graphics card memory	8 GB	Fingerprint reader	✗
Discrete graphics memory type	GDDR7	Trusted Platform Module (TPM)	✓
On-board graphics card *	✓	Password protection	✓
On-board GPU manufacturer	AMD	Password protection type	Supervisor, User
Discrete graphics card *	✓	Weight & dimensions	
On-board graphics card family	AMD Radeon	Width	362.3 mm
On-board graphics card model *	AMD Radeon 660M	Depth	239.9 mm
On-board graphics card cores	6	Height	23.5 mm
NVIDIA G-SYNC	✓	Height (rear)	2.35 cm
Audio		Weight *	2.1 kg
Audio system	DTS:X Ultra	Packaging data	
Spatial audio	✓	Package width	65 mm
Built-in speaker(s)	✓	Package depth	498 mm
Number of built-in speakers	2	Package height	310 mm
Built-in microphone	✓	Package weight	2.77 kg
Number of microphones	2	Packaging content	
Camera		AC adapter included *	✓
Front camera	✓	Keyboard included	✓
Front camera resolution (numeric)	2 MP	Power cord included	✓
Front camera resolution	1920 x 1080 pixels	Packaging content	Nitro V 15 ANV15-A31-R81Z Gaming Notebook Lithium Ion (Li-Ion) Battery Power Adapter Power Cord
Front camera HD type	Full HD		
Network			
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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