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Acer Nitro V 15 AI

(ANV15-42-R5UN)



- Processor: AMD Ryzen™ 7745HS
- Display: 15.6" Full-HD IPS 165 Hz (non-glare)
- Memory: 16 GB DDR5 RAM
- Mass storage: 512 GB SSD
- Graphics card: NVIDIA® GeForce RTX™ 4050
- Operating system: Linux (eShell)

165_{HZ}



IPS
In-Plane Switching



Acer ANV15-42-R5UN

SPECIFICATIONS



Ordering Information

Series	Acer Nitro V 15 AI
Model name	ANV15-42-R5UN
Part number	NH.U31EX.006
EAN	4711474876638
Short description	15.6" Full-HD IPS 165 Hz (non-glare) / AMD Ryzen™ 77445HS / 16 GB DDR5 RAM / 512 GB SSD / NVIDIA® GeForce RTX™ 4050 / Linux (eShell) / Obsidian Black

Operating System

Operating System	Linux (eShell)
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Housing

Housing / Color	Obsidian Black
Component door	-
Dimensions	362.3 x 239.89 x 23.5 mm (W x D x H)
Weight	2.1 kg
Passively cooled (fanless)	-

Display

Display size	15.6 inch (39.62 cm)
Display type	Acer ComfyView™ Full HD IPS Display 165 Hz with LED-Backlight (non-glare)
Display resolution in pixel	1920 x 1080
Aspect ratio	16:9

Processor

Processor	AMD Ryzen™ 77445HS processor
Clock frequency	3.55 GHz base clock (up to 4.7 GHz max. boost clock)
Cache	6 MB
Processing cores / threads	6 / 12
NPU	-

Storage and drives

Memory	16 GB DDR5 RAM
Memory configuration	1 x 16 GB DDR5 RAM
Maximum RAM	Up to 32 GB DDR5 RAM (2x 16 GB soDIMM)
Mass storage	512 GB PCIe Gen4 NVMe Solid-State-Drive (SSD)

Graphics card

Graphics card	NVIDIA® GeForce RTX™ 4050
Graphics card memory dedicated	6 GB GDDR6 VRAM
Maximum Graphic Power	75
Maximum Boost Frequency	2230

Connections

LAN	Gigabit Ethernet
Wireless LAN	Wi-Fi 6E (802.11 ax)
Wireless WAN / SIM-Card	-
Wireless Gigabit	-
Bluetooth	Bluetooth® 5.3
NFC	-

I/O ports

HDMI	1x HDMI® 2.0
Displayport	via USB Type-C
Thunderbolt	-
USB 3.2	3 x (2 x Type-A Gen 1, 1 x Type-C Gen 1 with Power Off USB Charging)
USB 3.1	-
USB 3.0	-
USB 2.0	-
USB 4.0	1 x (Type-C)
Ethernet (RJ-45)	Yes
Cardreader	-
Smart card reader	-
Audio port	1x 3.5 mm speaker/headphone/line-out (supports headsets with integrated microphone)
Docking port	-

Input

Keyboard	Acer FineTip keyboard (99-/100-/103-keys)
Keyboard layout	US International/Bulgarian
Backlit keyboard	Yes (Amber)
Touchpad	Multi-Gesture TouchPad (Microsoft Precision Touchpad certification)

Security

Fingerprint sensor	-
Kensington Lock	Yes
Security software	Firmware Trusted Platform Module (TPM) solution



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Audio and video

Audio	DTS® X: Ultra Audio, Acer TrueHarmony, Acer Purified, AI noise reduction compatible with Cortana with Voice
Speaker	two built-in stereo speakers
Microphone	dual built-in microphones
Webcam	HD Webcam

Battery and power adapter

Battery	Li-Ion battery (4 cells / 57 Wh)
Battery lifetime	Up to 9.5 hours (based on web browsing test results)
Power adapter	135W power adapter (50% PCR-plastic)
Battery built in	-

Software

Other software	NitroSense, PlanetS, Acer Product Registration, Acer QuickPanel, Amazon Alexa
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Warranty

Warranty	1 year carry in warranty (1st year International Travelers Warranty)
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Logistics

Quantity per layer	26
Quantity per europallet	78
Quantity per tower	156
Quantity per container	1716
Carton dimensions / weight	498.0 x 310.0 x 65.0 mm (W x D x H) / 3.2 kg

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