



Acer Nitro V 16 AI

(ANV16-42-R2ZX)



- Processor: AMD Ryzen™ 5 240
- Display: 16" Acer ComfyView™ WUXGA IPS 180Hz display (non-glare)
- Memory: 16 GB DDR5 RAM
- Mass storage: 1,000 GB PCIe Gen4 SSD
- Graphics card: NVIDIA® GeForce RTX™ 5050
- Operating system: Linux (eShell)





Acer ANV16-42-R2ZX

SPECIFICATIONS



Ordering Information

Series	Acer Nitro V 16 AI
Model name	ANV16-42-R2ZX
Part number	NH.UJHEC.003
EAN	4711474619273
Short description	16" Acer ComfyView™ WUXGA IPS 180Hz display (non-glare) / AMD Ryzen™ 5 240 / 16 GB DDR5 RAM / 1.000 GB PCIe Gen4 SSD / NVIDIA® GeForce RTX™ 5050 / Linux (eShell) / Shale Black

Operating System

Operating System	Linux (eShell)
------------------	----------------

Housing

Housing / Color	Shale Black
Component door	-
Dimensions	360.04 x 275.62 x 24.50 mm (W x D x H)
Weight	2.44 kg
Passively cooled (fanless)	-

Display

Display size	16 inches (40.64 cm)
Display type	Acer ComfyView™ WUXGA IPS 180Hz display with LED-Backlight (non-glare)
Display resolution in pixel	1920 x 1200
Aspect ratio	16:10

Processor

Processor	AMD Ryzen™ 5 240 processor
Clock frequency	4.3 GHz base clock (Up to 5.0 GHz max. performance clock rate)
Cache	16MB
Processing cores / threads	6 / 12
NPU	AMD Ryzen™ AI (Up to 16 TOPS)

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	1.000 GB PCIe Gen4 NVMe Solid-State-Drive (SSD)

Graphics card

Graphics card	NVIDIA® GeForce RTX™ 5050
Graphics card memory dedicated	8GB GDDR7 VRAM

Connections

LAN	Killer™ Ethernet E2600
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® 2.1
Displayport	via USB Type-C
Thunderbolt	-
USB 3.2	3x (2x Type-A Gen 2 (1x with Power-Off USB Charging), 1x Type-A Gen 1)
USB 3.1	-
USB 3.0	-
USB 2.0	-
USB 4.0	1x (Type-C)
Ethernet (RJ-45)	Ja
Cardreader	MicroSD 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 with numpad (103-/104-/107-keys)
Keyboard layout	US International / Hebrew
Backlit keyboard	Yes (amber)
Touchpad	Multi-Gesture TouchPad (Microsoft Precision Touchpad certification)

Security

Fingerprint sensor	-
Kensington Lock	Yes
Security software	-



Acer ANV16-42-R2ZX

SPECIFICATIONS

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	three built-in microphones
Webcam	HD Webcam

Battery and power adapter

Battery	Li-Ion battery (4 cells / 76 Wh)
Battery lifetime	Up to 7.5 hours (based on video playback test results)
Power adapter	135W power adapter (50% PCR-plastic)
Battery built in	-

Software

Other software	NitroSense, PlanetS, Acer LiveArt
----------------	-----------------------------------

Special features

Special features	AI ready
------------------	----------

Warranty

Warranty	1 year
----------	--------

Logistics

Quantity per layer	24
Quantity per europallet	72
Quantity per tower	144
Quantity per container	1584
Carton dimensions / weight	528.0 x 316.0 x 70.0 mm (W x D x H) / 3.7 kg

This data sheet is subject to change without notice. Availability may vary from region to region. Acer is not liable for any errors or omissions contained in the product descriptions. In addition to the standard warranty conditions, the statutory warranty regulations also apply to consumers. For more information on exclusions and limitations, please refer to our warranty conditions for the respective product. If the warranty period in the PDF document for the warranty conditions differs from the information on the Acer homepage, the information given on this website applies and not the information contained in the PDF. Copyright 2024 Acer, Inc. all rights reserved. Acer and the Acer logo are registered trademarks of Acer Incorporated. All other trademarks, registered trademarks and/or service marks mentioned or otherwise recognizable are the property of their respective owners. All prices quoted are manufacturer's suggested retail prices.