



Acer Nitro V 15 AI

(ANV15-42-R91J)



- Processor: AMD Ryzen™ 7 7445HS
- Display: 15.6" Full-HD IPS 165 Hz (non-glare)
- Memory: 16 GB DDR5 RAM
- Mass storage: 1,000 GB PCIe Gen4 SSD
- Graphics card: NVIDIA® GeForce RTX™ 3050
- Operating system: Windows 11 Home (64 Bit)

165_{HZ}



IPS
In-Plane Switching



Acer ANV15-42-R91J

SPECIFICATIONS



Ordering Information

Series	Acer Nitro V15 AI
Model name	ANV15-42-R91J
Part number	NH.U30EX.002
EAN	4711474796172
Short description	15.6" Full-HD IPS 165 Hz (non-glare) / AMD Ryzen™ 7745HS / 16 GB DDR5 RAM / 1.000 GB PCIe Gen4 SSD / NVIDIA® GeForce RTX™ 3050 / Windows 11 Home (64 Bit) / Obsidian Black

Operating System

Operating System	Windows 11 Home (64 Bit)
------------------	--------------------------

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™ 7745HS 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	1.000 GB PCIe Gen4 NVMe Solid-State-Drive (SSD)

Graphics card

Graphics card	NVIDIA® GeForce RTX™ 3050
Graphics card memory dedicated	6 GB GDDR6 VRAM

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 Typc-A 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



Acer ANV15-42-R91J

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	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

Office	1 month trial for new Microsoft 365 customers. 3 months Game-pass. Credit card required
Other software	NitroSense, Planet9, Acer Product Registration, Acer QuickPanel, Amazon Alexa

Warranty

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

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

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.