



Acer Nitro 18 AI

(AN18-61-R42R)



- Processor: AMD Ryzen™ AI 7 350
- Display: 18" Acer ComfyView™ WUXGA IPS 165Hz (non-glare)
- Memory: 16 GB DDR5 RAM
- Mass storage: 1,000 GB PCIe Gen4 SSD
- Graphics card: NVIDIA® GeForce RTX™ 5060
- Operating system: Windows 11 Home (64Bit)

165 HZ





Acer AN18-61-R42R

SPECIFICATIONS



Ordering Information

Series	Acer Nitro 18 AI
Model name	AN18-61-R42R
Part number	NH.QY8EG.001
EAN	4711474570550
Short description	18" Acer ComfyView™ WUXGA IPS 165Hz (non-glare) / AMD Ryzen™ AI 7 350 / 16 GB DDR5 RAM / 1.000 GB PCIe Gen4 SSD / NVIDIA® GeForce RTX™ 5060 / Windows 11 Home (64Bit) / Obsidian Black

Operating System

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

Housing

Housing / Color	Obsidian Black
Component door	-
Dimensions	400.90 x 310.30 x 25.45 mm (W x D x H)
Weight	3.02 kg
Passively cooled (fanless)	-

Display

Display size	18 inches (45,72 cm)
Display type	Acer ComfyView™ WUXGA IPS 165Hz display with LED backlight and 100% sRGB (non-glare)
Display resolution in pixel	1920 x 1200
Aspect ratio	16:10

Processor

Processor	AMD Ryzen™ AI 7 350 processor
Clock frequency	2.0 GHz base clock (Up to 5.0 GHz max. performance clock rate)
Cache	16MB
Processing cores / threads	8 / 16
NPU	AMD Ryzen™ AI (bis zu 50 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™ 5060
Graphics card memory dedicated	8GB GDDR7 VRAM
Maximum Graphic Power	115
Maximum Boost Frequency	2312

Connections

LAN	Killer™ Gigabit Ethernet E3100G
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-C Gen 2)
USB 3.1	-
USB 3.0	-
USB 2.0	1 x (Type-A)
USB 4.0	1x (Type-C)
Ethernet (RJ-45)	Yes
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 RGB keyboard with numpad
Keyboard layout	German (QWERTZ)
Backlit keyboard	Yes (4 Zone RGB)
Touchpad	Multi-Gesture TouchPad (Microsoft Precision Touchpad certification)

Security

Fingerprint sensor	-
Kensington Lock	Yes
Security software	MSFT Pluton Security Processor Firmware TPM-solution



Acer AN18-61-R42R

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	FHD Webcam

Battery and power adapter

Battery	Li-Ion battery (4 cells / 90 Wh)
Battery lifetime	Up to 8 hours
Power adapter	230W 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 LiveArt

Special features

Special features	Capilot+PC, FHD webcam, A-cover made of aluminum, Vector heat pipe, dual fan cooling, quad-intake, quad-exhaust
------------------	---

Warranty

Warranty	2-year mail-in/return service
----------	-------------------------------

Logistics

Quantity per layer	18
Quantity per europallet	54
Quantity per tower	90
Quantity per container	990
Carton dimensions / weight	599.0 x 376.0 x 82.0 mm (W x D x H) / 5.18 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.