



Acer Nitro 16S AI

(AN16S-61-R5HG)



- Processor: AMD Ryzen™AI 7 350
- Display: Acer ComfyView™ WQXGA 180Hz IPS Display
- Memory: 16 GB DDR5 RAM
- Mass storage: 1,000 GB PCIe Gen4 SSD
- Graphics card: NVIDIA® GeForce RTX™ 5070
- Operating system: Windows 11 Home (64Bit)





Acer AN16S-61-R5HG

SPECIFICATIONS



Ordering Information

Series	Acer Nitro 16S AI
Model name	AN16S-61-R5HG
Part number	NH.QXGEG.001
EAN	4711474562005
Short description	Acer ComfyView™ WQXGA 180Hz IPS Display / AMD Ryzen™ AI 7 350 / 16 GB DDR5 RAM / 1.000 GB PCIe Gen4 SSD / NVIDIA® GeForce RTX™ 5070 / Windows 11 Home (64Bit) / Obsidian Black

Operating System

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

Housing

Housing / Color	Obsidian Black
Component door	-
Dimensions	356.78 x 275.50 x 20.98 mm (W x D x H)
Weight	2.18 kg
Passively cooled (fanless)	-

Display

Display size	16 inches (40.64 cm)
Display type	Acer ComfyView™ WQXGA 180Hz IPS Display with 100% sRGB (matt)
Display resolution in pixel	2.560 x 1.600
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™ 5070
Graphics card memory dedicated	8GB GDDR7 VRAM
Maximum Graphic Power	115
Maximum Boost Frequency	1915

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	-
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	-
Security software	MSFT Pluton Security Processor Firmware TPM-solution



Acer AN16S-61-R5HG

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 / 76 Wh)
Battery lifetime	Up to 7.5 hours (based on video playback test results)
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- and D-cover made of aluminum, dual fan cooling, quad-intake, quad-exhaust
------------------	--

Warranty

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

Logistics

Quantity per layer	20
Quantity per europallet	80
Quantity per tower	100
Quantity per container	1100
Carton dimensions / weight	543.0 x 341.0 x 80.0 mm (W x D x H) / 4.22 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.