



Acer Nitro 16S AI

(AN16S-61-R597)



- Processor: AMD Ryzen™ AI 5 340
- Display: 16" ComfyView™ WUXGA IPS 180Hz
- Memory: 16 GB DDR5 RAM
- Mass storage: 1,000 GB PCIe Gen4 SSD
- Graphics card: NVIDIA® GeForce RTX™ 5050
- Operating system: Windows 11 Home (64Bit)





Acer AN16S-61-R597

SPECIFICATIONS



Ordering Information

Series	Acer Nitro 16S AI
Model name	AN16S-61-R597
Part number	NH.QXEEG.003
EAN	4711474698865
Short description	16" ComfyView™ WUXGA IPS 180Hz / AMD Ryzen™ AI 5 340 / 16 GB DDR5 RAM / 1.000 GB PCIe Gen4 SSD / NVIDIA® GeForce RTX™ 5050 / Windows 11 Home (64Bit) / Obsidian Black

Operating System

Operating System	Windows 11 Home (64Bit)
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Housing

Housing / Color	Obsidian Black
Component door	-
Dimensions	356.78 x 275.50 x 20.99 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™ WUXGA IPS 180Hz display with LED backlight and 100% sRGB (matt)
Display resolution in pixel	-
Aspect ratio	16:10

Processor

Processor	AMD Ryzen™ AI 5 340 Processor
Clock frequency	2.0 GHz base clock (Up to 4.8 GHz max. performance clock rate)
Cache	16MB
Processing cores / threads	6 / 12
NPU	AMD Ryzen™ AI (Up to 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™ 5050
Graphics card memory dedicated	8GB GDDR7 VRAM

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



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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	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
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Warranty

Warranty	2-year mail-in/return service
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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

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