



Acer Nitro 18 AI

(AN18-61-R31H)



- 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™ 5050
- Operating system: Windows 11 Home (64Bit)

165 HZ





Acer AN18-61-R31H

SPECIFICATIONS



Ordering Information

Series	Acer Nitro 18 AI
Model name	AN18-61-R31H
Part number	NH.QY8EG.004
EAN	4711474699268
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™ 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	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™ 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	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



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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 / 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
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Warranty

Warranty	2-year mail-in/return service
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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

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