



**Acer Nitro 16S AI AN16S-61-R597 AMD Ryzen™ AI 5 340 Laptop
40.6 cm (16") WUXGA 16 GB DDR5-SDRAM 1 TB SSD NVIDIA®
GeForce RTX™ 5050 Wi-Fi 6E (802.11ax) Windows 11 Home Black
QWERTZ German**



Brand : Acer

Product family: Nitro

Product code: NH.QXEEG.003

Product name : AN16S-61-R597

- Windows 11 Home 64-bit
 - AMD Ryzen AI 5 340 (3.4GHz)
 - 40.6 cm (16") WUXGA 1920 x 1200 IPS, NVIDIA GeForce RTX 5050 (8GB GDDR7)
 - 16GB DDR5-SDRAM (1 x 16) & 1000GB SSD
- AMD Ryzen AI 5 340 (3.4GHz), 16GB DDR5-SDRAM, 1000GB SSD, 40.6 cm (16") WUXGA 1920 x 1200 IPS, AMD Radeon 840M, NVIDIA GeForce RTX 5050 (8GB GDDR7), LAN, WLAN, Webcam, Windows 11 Home 64-bit

Acer Nitro 16S AI AN16S-61-R597. Product type: Laptop, Form factor: Clamshell. Processor family: AMD Ryzen™ AI 5, Processor model: 340, Processor frequency: 3.4 GHz. Display diagonal: 40.6 cm (16"), HD type: WUXGA, Display resolution: 1920 x 1200 pixels. Internal memory: 16 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: AMD Radeon 840M. Operating system installed: Windows 11 Home. Product colour: Black

Design		Graphics	
Colour name	Obsidian Black	On-board graphics card model *	AMD Radeon 840M
Product type *	Laptop	Audio	
Product colour *	Black	Audio system	DTS:X Ultra
Form factor *	Clamshell	Number of built-in speakers	2
Market positioning	Gaming	Built-in microphone	✓
Display		Number of microphones	3
Display diagonal *	40.6 cm (16")	Camera	
Display resolution *	1920 x 1200 pixels	Front camera	✓
Touchscreen *	✗	Front camera resolution	1920 x 1080 pixels
HD type	WUXGA	Front camera HD type	Full HD
Panel type	IPS	Network	
Display technology marketing name	ComfyView	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
LED backlight	✓	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Native aspect ratio	16:10	Mobile network connection *	✗
Display surface	Matt	Antenna type	2x2
RGB colour space	sRGB	Ethernet LAN	✓
Colour gamut	100%	Ethernet LAN data rates	10,100,1000 Mbit/s
Maximum refresh rate	180 Hz	Bluetooth	✓
Processor		Bluetooth version	5.3
Processor manufacturer *	AMD	Ports & interfaces	
Processor family *	AMD Ryzen™ AI 5	USB 2.0 ports quantity *	1
Processor model *	340	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Processor cores	6	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	2
Processor threads	12	Ethernet LAN (RJ-45) ports	1
Processor boost frequency	4.8 GHz	HDMI ports quantity *	1
Processor frequency *	3.4 GHz	HDMI version	2.1
L3 cache	16 MB	Intel® Thunderbolt 4	✓
L2 cache	6 MB	Combo headphone/mic port	✓
Processor base power	15 W	USB Type-C DisplayPort Alternate Mode	✓
Maximum turbo power	54 W		
Neural processor unit (NPU)			
Neural processor unit (NPU)	AMD Ryzen AI		

Neural processor unit (NPU)		Keyboard	
Total processor performance up to	59 TOPs	Pointing device	Touchpad
NPU performance up to	50 TOPs	Numeric keypad *	✓
Memory		Keyboard backlit	✓
Internal memory *	16 GB	Keyboard backlit colour	RGB
Internal memory type	DDR5-SDRAM	Keyboard backlit zone	4-zone RGB
Memory form factor	SO-DIMM	Keyboard layout	QWERTZ
Memory layout (slots x size)	1 x 16 GB	Keyboard language	German
Memory slots	2x SO-DIMM	Software	
Maximum internal memory *	32 GB	Operating system architecture	64-bit
Storage		Operating system installed *	Windows 11 Home
Total storage capacity *	1 TB	Battery	
Storage media *	SSD	Battery technology	Lithium-Ion (Li-Ion)
Total SSDs capacity	1 TB	Number of battery cells	4
Number of SSDs installed	1	Battery capacity *	76 Wh
SSD capacity	1 TB	Battery life (max)	7.5 h
SSD interface	PCI Express 4.0	Battery charge indicator	✓
NVMe	✓	Power	
SSD form factor	M.2	AC adapter power	230 W
Optical drive type *	✗	DC-in jack	✓
Card reader integrated	✓	USB Type-C charging port *	✓
Compatible memory cards	MicroSD (TransFlash)	USB Power Delivery (USB PD)	✓
Graphics		Security	
Discrete GPU manufacturer	NVIDIA	Trusted Platform Module (TPM)	✓
Discrete graphics card model *	NVIDIA® GeForce RTX™ 5050	Weight & dimensions	
Discrete graphics card memory	8 GB	Width	356.8 mm
Discrete graphics memory type	GDDR7	Depth	275.5 mm
On-board graphics card *	✓	Height	21 mm
Discrete graphics card *	✓	Weight *	2.18 kg
		Packaging content	
		AC adapter included *	✓



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