



Acer Nitro 16 AI AN16-61-R1ES AMD Ryzen AI 9 365 Laptop 40.6 cm (16") WQXGA 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 5070 Wi-Fi 6E (802.11ax) Windows 11 Pro Black

Brand : Acer

Product family: Nitro

Product code: NH.QXYEP.003

Product name : AN16-61-R1ES

- Windows 11 Pro 64-bit
- AMD Ryzen AI 9 365 (3.3GHz)
- 16" WQXGA 2560 x 1600 IPS, NVIDIA GeForce RTX 5070 (8GB GDDR7)
- 32GB (5600MHz) DDR5-SDRAM (2 x 16) & 1000GB SSD

AMD Ryzen AI 9 365 (3.3GHz), 32GB DDR5-SDRAM, 1000GB SSD, 16" WQXGA 2560 x 1600 IPS, AMD Radeon 880M, NVIDIA GeForce RTX 5070 (8GB GDDR7), LAN, Webcam, Windows 11 Pro 64-bit Acer Nitro 16 AI AN16-61-R1ES. Product type: Laptop, Form factor: Clamshell. Processor family: AMD Ryzen AI 9, Processor model: 365, Processor frequency: 3.3 GHz. Display diagonal: 40.6 cm (16"), HD type: WQXGA, Display resolution: 2560 x 1600 pixels. Internal memory: 32 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: AMD Radeon 880M. Operating system installed: Windows 11 Pro. Product colour: Black



Design		Graphics	
Product type *	Laptop	Discrete graphics card model *	NVIDIA GeForce RTX 5070
Product colour *	Black	Discrete graphics card memory	8 GB
Form factor *	Clamshell	Discrete graphics memory type	GDDR7
Market positioning	Gaming	On-board graphics card *	✓
Display		Discrete graphics card *	✓
Display diagonal *	40.6 cm (16")	On-board graphics card model *	AMD Radeon 880M
Display resolution *	2560 x 1600 pixels	Audio	
Touchscreen *	✗	Number of built-in speakers	2
HD type	WQXGA	Built-in microphone	✓
Panel type	IPS	Number of microphones	3
Display technology marketing name	ComfyView	Camera	
Native aspect ratio	16:10	Front camera	✓
Display surface	Matt	Front camera resolution	1920 x 1080 pixels
Anti-glare screen	✓	Front camera HD type	Full HD
Display brightness	400 cd/m²	Infrared (IR) camera	✓
RGB colour space	sRGB	Network	
Colour gamut	100%	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Maximum refresh rate	180 Hz	Mobile network connection *	✗
Contrast ratio (typical)	1000:1	Antenna type	2x2
Processor		Ethernet LAN	✓
Processor manufacturer *	AMD	Ethernet LAN data rates	10,100,1000,2500 Mbit/s
Processor family *	AMD Ryzen AI 9	Bluetooth	✓
Processor model *	365	Bluetooth version	5.3
Processor cores	10	Ports & interfaces	
Processor threads	20	USB 2.0 ports quantity *	1
Processor boost frequency	5 GHz	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Processor frequency *	3.3 GHz	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
L3 cache	24 MB	USB4 Gen 3x2 ports quantity	1
L2 cache	10 MB	Ethernet LAN (RJ-45) ports	1
Neural processor unit (NPU)		HDMI ports quantity *	1
Neural processor unit (NPU)	AMD Ryzen AI		
Total processor performance up to	73 TOPs		
NPU performance up to	50 TOPs		

Memory		Ports & interfaces	
Internal memory *	32 GB	Combo headphone/mic port	✓
Internal memory type	DDR5-SDRAM	Keyboard	
Memory clock speed	5600 MHz	Pointing device	Touchpad
Memory form factor	SO-DIMM	Numeric keypad *	✓
Memory layout (slots x size)	2 x 16 GB	Keyboard backlit	✓
Memory slots	2x SO-DIMM	Keyboard backlit colour	RGB
Maximum internal memory *	32 GB	Keyboard backlit zone	4-zone RGB
Storage		Software	
Total storage capacity *	1 TB	Operating system architecture	64-bit
Storage media *	SSD	Operating system installed *	Windows 11 Pro
Total SSDs capacity	1 TB	Battery	
Number of SSDs installed	1	Battery technology	Lithium-Ion (Li-Ion)
SSD capacity	1 TB	Battery capacity *	90 Wh
SSD interface	PCI Express 4.0	Battery life (max)	6 h
NVMe	✓	Battery weight	381 g
SSD form factor	M.2	Power	
Optical drive type *	✗	AC adapter power	230 W
Card reader integrated	✓	USB Type-C charging port *	✓
Compatible memory cards	MicroSD (TransFlash)	Weight & dimensions	
Graphics		Weight *	2.41 kg
Discrete GPU manufacturer	NVIDIA	Packaging content	
		AC adapter included *	✓

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