Acer Nitro V 16 AI

NITRO V 16 AI ANV16-42-R3ZC

(PN: NH.QYWET.00C - EAN: 4711474755025)

- AMD Ryzen 7 260
- Windows 11 Windows 11 Home
- 16 DDR5
- SSD PCI EXPRESS 1024
- nVidia GeForce RTX™ 5050 8192

Acer Nitro V 16 AI

With an AMD Ryzen™ AI processor and an NVIDIA® GeForce™ RTX 50 laptop GPU, the Acer Nitro V 16 AI is ideal for high-end gaming. With AI-based adaptability, it offers power and precision for smooth, high-speed gameplay.

EXTRAORDINARY SPEED. SUPERIOR GRAPHICS. THANKS TO AI.

DLSS is a revolutionary set of neural rendering technologies that uses artificial intelligence to improve frame rates, reduce latency and enhance image quality. The latest innovation, DLSS 4, offers state-of-the-art ray tracing and multi-frame reconstruction, as well as super-resolution powered by GeForce RTX™ 50 GPUs and 5th generation Tensor cores. DLSS on GeForce RTX is the best way to play, backed by an NVIDIA AI supercomputer in the cloud that constantly improves PC gaming capabilities.

Complete visual experience

Discover graphics that let you immerse yourself in every scene, with realistic sharpness and brilliant depth. Designed for gamers and creators alike, this screen is the window through which you can explore worlds, create stories and fully immerse yourself in what matters.

Precision cooling

Built to last, the advanced cooling system ensures consistent performance, even during high-intensity sessions. With a dual-fan architecture and a four-socket, four-drain design, this machine stands up to the toughest conditions.

Advanced AI control through NitroSense and Experience Zone

Take control of every element with AI-based tools, customising your experience according to your needs. NitroSense™ and Experience Zone let you unlock real-time controls that optimise your system, designed to give you control of your digital world.

AI-based audio and efficiency tools

With AI-based features like Acer PurifiedVoice, you'll enjoy clear communications for gaming and streaming. Copilot improves performance and energy efficiency, making the Nitro V 16 AI perfect for gaming and productivity.

High-speed connectivity with Wi-Fi 6E and USB 4

Stay connected with Wi-Fi 6E, USB 4, HDMI 2.1 and a video camera, offering fast data transfer, smooth streaming and reliable video calls.

Warranty

Manufacturer's warranty in months	12

General

AI-PC	Yes
Type	Notebook
Function/Use	Gaming
Form factor	Mainstream
Convertible	No
Color	Black
Commercial name	Acer Nitro V 16 AI
MIL-STD 810 Compliant	No

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Operating system

Family operating system	Windows 11
Description of the Operating System	Windows 11 Home
Applications / Utilities / Antivirus installed	Microsoft 365 (Trial version - 30-day free trial) Microsoft XBOX Game Pass (3-month subscription included)

Processor and chipset

Processor brand	AMD
Intel generation	No intel Processor
Processor	Ryzen 7
Processor initials	260
NPU (Tops)	16
Second level cache (MB)	8
Clock speed (GHz)	3,8
Turbo clock speed (GHz)	5,1
Brand chipset	AMD
Chipset type	Integrated
Third level cache (MB)	16

Memory

Installed RAM (GB)	16
Maximum RAM supported (GB)	32
Type of RAM	DDR5
Number of total RAM slots	2
Numberless free RAM slots	0
RAM Frequency (MT/s)	5600
RAM specification	SDRAM

Storage

Type of Hard Disk	SSD PCI EXPRESS
SSD capacity (GB)	1024
M.2 SSD slot	2
Description SSD M.2 slot	1 x 1024 GB SSD M.2 1 x Free slot
Card Reader	MicroSD
Smart Card Reader	No
Optical drive type	not present
OPTANE slot	No
Recovery partition	Yes

Display and graphics

Screen format	16:10
Type of display	LCD
Display size (")	16
en - Tecnologia del display	IPS
Fréquence (Hz)	180
Display brightness (Nit)	300
Ultra HD resolution	No
Horizontal resolution (pixel)	1920
Vertical resolution (pixel)	1200
Touch screen	No
Anti-glare screen	Yes
3D	No
HD Type	WUXGA
Brand graphics card	nVidia
Graphic card template	GeForce RTX™ 5050
Dedicated graphics memory (MB)	8192
Other features graphics card	GDDR7

Audio

Type of speakers	DTS® X:Ultra Audio, featuring optimized Bass, Loudness, Speaker Protection with up to 6 custom content modes via smart amplifier
Headphone output	1
Audio output	1

Network and communication

Bluetooth	Bluetooth 5.3
Ethernet	Yes
Ethernet type	10/100/1000
Wifi	Yes
WiFi type	Wi-Fi 6E
WiFi protocol	802.11 a/b/g/n/ac/ax
Modem	No
Module G (UMTS)	No
SIM slot	No

Embedded devices

Infrared	No
TV card	No
TV tuner	No
Microphone	Yes
webcam	Yes
Fingerprint reader	No
Other camera features	HD USB Câmera
Rear camera	No
Built-in flash	No
Built-in autofocus	No

Interfaces/ports

TPM 2.0	Yes
Type of TPM	Software
Serial port number	0
RJ 45 connector	1
Microphone input number	1
Audio input number	1
Number of FireWire ports	0
PS / 2 port	0
RJ 11 connector	0
VGA	No
DVI	No
HDMI type	Standard
HDMI	Yes
Display Port	No
Number of USB 3.2 ports	3
Number of USB ports type "C"	1
Number of total USB ports	4
Ports parallel	0

Input devices

Keyboard	Backlit keyboard with Greek layout and numeric keypad
TV remote	No
Backlit keyboard	Yes

Battery information

Battery Type	76Wh Li-ion battery
Battery capacity (cells)	4
Autonomy (h)	8

Physical characteristics

Net product height (cm)	2,450
Net product width (cm)	36
Net product depth (cm)	27,560
Product net weight (kg)	2,440
Gross product depth (cm)	31,6
Kensington Lock Slot	Yes

Various

Other	1 x USB Type-C™ port supporting: • USB4® 40Gbps • DisplayPort over USB-C • USB charging 5 V; 3 A • DC-in port 20 V; 65 W
Type of power supply	135W Power Cord Continental (Type E+F)

Support offline charging
USB 3.2

USB 3.2

Kensington lock

Ethernet
(RJ-45) port

USB 3.2

MicroSD
card slot

Headset jack

DC-in jack

HDMI 2.1

Type-C
USB4 with DC in

GPSR: https://www.acer.com/gr-el/support/directive/gpsr