Windows 11

intel. CORE i7

Long-Lasting

NitroSense

Killer DoubleShot ™ Pro

Double Fan with

Full-Function Thunderbolt™ 4

HDMI port

90W
Battery

Quad Exhaust
Port

NITRO 5

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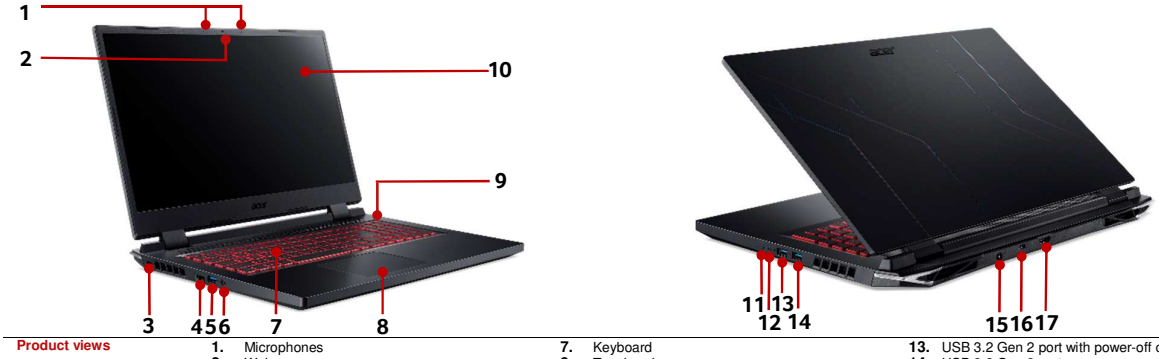
SPECIFICATIONS NITRO 5



Product views

1. Microphones	**7.** Keyboard	**13.** USB 3.2 Gen 2 port with power-off charging
2. Webcam	**8.** Touchpad	**14.** USB 3.2 Gen 2 port
3. Kensington lock slot	**9.** Power button	**15.** Power connector (DC-in)
4. Ethernet (RJ-45) port	**10.** 17.3" LCD display	**16.** USB Type-C™ port (USB 3.2 Gen 2) (Thunderbolt™ 4)
5. USB 3.2 Gen 1 port	**11.** Battery indicator	
6. Headset/speaker jack	**12.** Power indicator	**17.** HDMI® port

Operating system[1]
Windows 11 Home

CPU and chipset[1]
Intel® Core™ i7-12700H processor

Memory[1, 2, 3, 4]
16 GB DDR4 3200MHz Memory

Display[5]
17.3" display with IPS (In-Plane Switching) technology, Full HD 1920 x 1080,
Acer ComfyView™ LED-backlit TFT LCD
- 16:9 aspect ratio, supporting 144 Hz refresh rate
- Wide viewing angle up to 170 degrees
- Ultra-slim design
- Mercury free, environment friendly

Graphics[1, 8]
NVIDIA® GeForce® RTX™ 3050 Ti with 4 GB of dedicated GDDR6 VRAM

Audio
- DTS® X: Ultra Audio, featuring optimized Bass, Loudness, Speaker Protection with up to 6 custom content modes by smart amplifier
- Supported in Windows Spatial Sound for PC Gaming with DTS license integrated
- Immersive audio rendering over headphones and internal speakers
- Acer Purified. Voice technology with AI noise reduction in dual built-in microphones
- Compatible with Cortana with Voice
- Acer TrueHarmony technology for lower distortion, wider frequency range, headphone-like audio and powerful sound

Storage[1, 7]
Solid state drive
512GB PCIe NVMe SED SSD

Webcam[1]
Video conferencing : UFC with
- Narrow USB HD camera
- Compatible with Windows
- 1280 x 720 resolution
- 720p HD video at 30 fps with Temporal Noise Reduction
- Blue Glass lens
- Dual Mic (33 mm + 33 mm)
- 86 x 3.2 x 2.6 mm

Wireless and networking[1]

WLAN
- Killer™ Wi-Fi 6 AX 1650i
- 802.11 a/b/g/n+acR2+ax wireless LAN
- Dual Band (2.4 GHz and 5 GHz)
- 2x2 MU-MIMO technology
- Supports Bluetooth® 5.1

LAN
- Killer™ Ethernet E2600
- 10/100/1000 Mbps
- Hibernation mode support
- Wake On Lan support
- IPv4 and IPv6 support

Security
- Firmware Trusted Platform Module (TPM) solution
- BIOS user, supervisor passwords
- Kensington lock slot

Dimensions and weight[6, 9]

Dimensions:
- 400.5 (W) x 294.48 (D) x 27.85/28.6 (H) mm (15.77 x 11.59 x 1.1/1.13inches) with Plastic A Cover

Weight:
- 3 kg (6.61 lbs.) with 4-cell battery pack

Power adapter and battery[10]

Power adapter:
- 3-pin 180 W AC adapter

Battery:
- 90 Wh 4-cell Li-ion battery

Input and control

Keyboard:
103-/104-/107-key FineTip backlit keyboard with independent standard numeric keypad, international language support and power button

Touchpad:
Multi-gesture touchpad, supporting two-finger scroll; pinch; gestures to open Cortana, Action Center, multitasking; application commands
- Microsoft Precision Touchpad certification
- Moisture resistant

Windows Desktop Apps[11]

In-House
- Acer Care Center
- Acer Configuration Manager
- Acer Product Registration
- NitroSense
- Quick Access

Warranty
One-year International Travelers Warranty (ITW)

1. Specifications vary depending on model.
2. Shared system memory may be allocated to support graphics, depending on system memory size and other factors. Actual system memory available to the operating system will be reduced by any memory used by the graphics solution and resources required by the operating environment.
3. Memory speed may vary, depending on the CPU, chipset or memory fitted.
4. A 64-bit operating system is required to enjoy the ultimate performance of 4 GB or higher memory.
5. All brands and product names mentioned herein include trademarks of their respective companies and are used solely to describe or identify the products.
6. Not all features indicated are supported on all SKUs.
7. 1 GB is 1 billion bytes. Actual formatted capacity is less and may vary depending on preloaded materials and operating environment. Acer Recovery Management uses a portion of the stated hard disk capacity as dedicated backup space.
8. Minor variations in system dimensions are possible due to the manufacturing process.
9. Weight may vary depending on product configuration, vendor components, manufacturing variability, and selected options.
10. *Actual battery life may vary considerably by specifications, depending on product model, configuration, applications, power management settings, operating conditions, and features utilized. Performance variation also arises based on components in use, which includes but is not limited to the processor, RAM capacity, storage, display and resolution, etc.*
11. Bundled software may vary depending on hardware configuration, OS and regional availability.

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