Aspire 3

Windows 11

intel CORE i7

intel CORE i5

intel CORE i3

Elevated Design

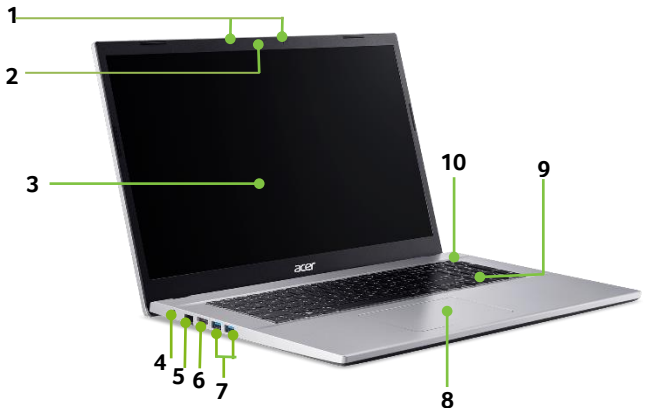
Acer TNR Solution

Narrow Bezel

SO-DIMM Memory Upgradable

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

SPECIFICATIONS — Aspire 3 — A317-54 / A317-54G



Product views	**1.** Microphones **2.** Webcam **3.** 17" display **4.** DC-in jack for power adapter	**5.** RJ-45 port **6.** HDMI® port **7.** USB 3.2 ports **8.** Touchpad	**9.** Keyboard **10.** Power button **11.** Power indicator **12.** Battery indicator	**13.** Headset/speaker jack **14.** USB 3.2 port **15.** Kensington lock slot
Operating system[1]	**Windows 11 Home** **Windows 11 Home (S mode)**			
CPU and chipset[1]	**Intel® Core™ i7-1255U** processor **Intel® Core™ i5-1235U** processor **Intel® Core™ i3-1215U** processor			
Memory[1,2,3,4]	Dual-channel DDR4 SDRAM support: Up to 16 GB of DDR4 system memory, upgradable to 32 GB using two soDIMM modules			
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, 45% NTSC color gamut • Wide viewing angle up to 170 degrees • Mercury free, environment friendly		17.3" HD 1600 x 900 resolution, high-brightness Acer CineCrystal™ LED-backlit TFT LCD • 16:9 aspect ratio, 60% color gamut • Ultra-slim design • Mercury free, environment friendly	
Graphics[1,6]	**A317-54** Intel® Iris® Xe Graphics Intel® UHD Graphics		**A317-54G** NVIDIA® GeForce® MX550	
Audio	• Two built-in stereo speakers • Two built-in digital microphones			
Storage[1,7,8]	**SSD:** 1 TB / 512 GB / 256 GB, PCIe Gen4, 16 Gb/s, NVMe 1 TB / 512 GB / 256 GB / 128 GB, PCIe Gen3 8 Gb/s up to 4 lanes, NVMe		**HD:** 1 TB 2.5-inch 5400 RPM (A317-54)	
Webcam[1]	**Video conferencing** **UFC with** • T-Type HD camera • Compatible with Windows only		• 1280 x 720 resolution • 720p HD video at 30 fps with Temporal Noise Reduction • Blue Glass lens	
Wireless and networking[1]	**WLAN:** • 802.11a/b/g/n/ac wireless LAN • Dual Band (2.4 GHz and 5 GHz) • 2x2 MU-MIMO technology • Support Bluetooth® 5.0 and later		**LAN:** • Gigabit Ethernet, Wake-on-LAN ready	
Dimensions and weight[9,10]	**Dimensions:** **A317-54** • 402.1 (W) x 265.85 (D) x 20.9 (H) mm (15.83 x 10.47 x 0.82 inches) **A317-54G** • 402.1 (W) x 265.85 (D) x 20.9 (H) mm (15.83 x 10.47 x 0.82 inches)		**Weight:** **A317-54** • 2.231 kg (4.92 lbs.) with 3-cell battery pack, solid state drive **A317-54G** • 2.289 kg (5.05 lbs.) with 3-cell battery pack, one hard drive and one SSD	
Power adapter and battery[11,12,13,14,15]	**A317-54** **Power adapter / Battery** 3-pin 45 W AC adapter / 40 Wh 3-cell Li-ion battery • Up to 6 hours (based on MobileMark® 2018 test results) • Up to 8.5 hours (based on video playback test results) • Up to 6 hours (based on web browsing test results)		**A317-54G** **Power adapter / Battery** 3-pin 65 W AC adapter / 40 Wh 3-cell Li-ion battery • Up to 5.5 hours (based on MobileMark® 2018 test results) • Up to 6.5 hours (based on video playback test results) • Up to 5.5 hours (based on web browsing test results)	
Input and control	**Keyboard:** 99-/100-/103-key Acer keyboard layout with international language support including indicators of CapsLock and F4/Microphone mute **TouchPad** Multi-gesture secure touchpad, supporting two-finger scroll; pinch; gestures to open Cortana, Action Center, multitasking; application commands			
Windows Desktop apps[16]	• Acer Care Center • Acer Product Registration		• Acer Configuration Manager • 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. 1 GB is 1 billion bytes, 1 TB is 1000 GB. Actual formatted capacity is less and may vary depending on preloaded materials and operating environment. Recovery Management uses a portion of the stated hard disk capacity as dedicated backup space.
9. Minor variations in system dimensions are possible due to the manufacturing process.
10. Weight may vary depending on product configuration, vendor components, manufacturing variability, and selected options.
11. Listed battery life is based on testing using video playback. The test clip loops and continues to run, without interruption or any other inputs, until the battery is drained. Stated battery life is for comparison purpose only. Actual battery life varies by model, configuration, applications, video chip format and features used. A battery's maximum capacity decreases with time and use. Battery life test configuration: 12th Gen Intel® Core™ i5, Intel® UHD Graphics, FHD, SSD only, 4GB of DDR4 memory. Battery life test condition: LCD brightness 150 nits, connected headphones, WLAN off, Bluetooth off and Better Battery Mode on.
12. Listed battery life is based on testing using Web browsing. The test clip loops the loading of 50 selected websites using Microsoft Edge every 30 seconds, until the battery is drained. Stated battery life is for comparison purpose only. Actual battery life varies by model, configuration, applications, video chip format and features used. A battery's maximum capacity decreases with time and use. Battery life test configuration: 12th Gen Intel® Core™ i5, Intel® UHD Graphics, FHD, SSD only, 4GB of DDR4 memory. Battery life test condition: 100 nits LCD brightness, 50% speaker volume, WLAN on, Bluetooth on, no WW direct Internet connection.
13. The listed battery life is tested by Google according to this formula (the test loops and continues running until the battery is drained): The first 60% of the test period is 1) Browsing: A new web page is loaded every minute. The web page is scrolled down to the first "page fold" (the bottom of the part of a web page that is visible on an average screen – a depth of around 600 pixels) every 10 seconds, then scrolled back up at the same rate. The next 20% of the test period is 2) Email: Gmail is loaded in the foreground tab and audio is streamed from a background tab. The next 10% is 3) Documents: Various Google Docs are loaded. The final 10% is 4) Online Video: A full-screen 480p YouTube video is played.
14. Listed battery life is based on testing using video playback. The test clip loops and continues to run, without interruption or any other inputs, until the battery is drained. Stated battery life is for comparison purpose only. Actual battery life varies by model, configuration, applications, video chip format and features used. A battery's maximum capacity decreases with time and use. Battery life test configuration: 12th Gen Intel® Core™ i5, FHD, HDD + SSD, 8GB of DDR4 memory. Battery life test condition: LCD brightness 150 nits, connected headphones, WLAN off, Bluetooth off and Better Battery Mode on.
15. Listed battery life is based on testing using Web browsing. The test clip loops the loading of 50 selected websites using Microsoft Edge every 30 seconds, until the battery is drained. Stated battery life is for comparison purpose only. Actual battery life varies by model, configuration, applications, video chip format and features used. A battery's maximum capacity decreases with time and use. Battery life test configuration: 12th Gen Intel® Core™ i5, FHD, HDD + SSD, 8GB of DDR4 memory. Battery life test condition: 100 nits LCD brightness, 50% speaker volume, WLAN on, Bluetooth on, no WW direct Internet connection.
16. Bundled software may vary depending on hardware configuration, OS and regional availability.

In a continuing effort to improve the quality of our products, information in this document is subject to change without notice. Images shown are only representations of some of the configurations available for this model. Availability may vary depending on region.
As a phenomenon known to thin-film transistors (TFTs), liquid crystal displays (LCDs) commonly exhibit a small number of discoloration dots, as so-called "non-conforming pixels." This phenomenon is a limitation of TFT LCD technology, not a product defect, and as such is not covered by Acer's warranty.
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