



Aspire A315-55G Specifications (v4-0-4)		
Category	Description	Footnotes
Operating system 1	Windows 10 Home 64-bit	2
CPU and chipset 1	Intel® Core™ i7-10510U processor (8 MB Smart Cache, 1.8 GHz with Turbo Boost up to 4.9 GHz, DDR4 or LPDDR3, 15 W) Intel® Core™ i5-10210U processor (6 MB Smart Cache, 1.6 GHz with Turbo Boost up to 4.2 GHz, DDR4 or LPDDR3, 15 W) Intel® Core™ i3-10110U processor (4 MB Smart Cache, 2.1 GHz with Turbo Boost up to 4.1 GHz, DDR4 or LPDDR3, 15 W) Intel® Core™ i7-8565U processor (8 MB Smart Cache, 1.8 GHz with Turbo Boost up to 4.6 GHz, DDR4 or LPDDR3, 15 W) Intel® Core™ i5-8265U processor (6 MB Smart Cache, 1.6 GHz with Turbo Boost up to 3.9 GHz, DDR4 or LPDDR3, 15 W) Intel® Core™ i3-8145U processor (4 MB Smart Cache, 2.1 GHz with Turbo Boost up to 3.9 GHz, DDR4 or LPDDR3, 15 W)	
Memory 1, 3, 4	Dual-channel DDR4 SDRAM support <ul style="list-style-type: none"> 4 GB of onboard DDR4 system memory Up to 20 GB of DDR4 system memory 	4
Display	15.6" Full HD 1920 x 1080, high-brightness Acer ComfyView™ LED-backlit TFT LCD 16:9 aspect ratio Ultra-slim design Mercury free, environment friendly	5
	15.6" HD 1366 x 768 resolution, high-brightness Acer ComfyView™ LED-backlit TFT LCD 16:9 aspect ratio Ultra-slim design Mercury free, environment friendly	5
Graphics 1	NVIDIA® GeForce® MX230 with 2 GB of dedicated GDDR5 VRAM, supporting NVIDIA® CUDA™, PhysX™, PureVideo® HD technology, HDMI® and Blu-Ray 3D™, Hardware Video Decode Acceleration, Microsoft® DirectX® 11.2/12, OpenGL® 4.4, OpenCL™ 1.1	
Audio	Two built-in stereo speakers Built-in digital microphone	
Storage	Solid state drive <ul style="list-style-type: none"> 256 GB / 512 GB, PCIe Gen3 8 Gb/s up to 2 lanes, NVMe 128 GB, PCIe Gen3, 8 Gb/s, NVMe Hard disk drive	1, 6 1, 6

Aspire A315-55G Specifications (v4-0-4)			
		<ul style="list-style-type: none"> • 500 GB / 1 TB / 2 TB 2.5-inch 5400 RPM 	7
Webcam	1	Video conferencing Acer webcam with: <ul style="list-style-type: none"> • 640 x 480 resolution 	
Wireless and networking	1	WLAN <ul style="list-style-type: none"> • Intel® Wireless-AC 9461/9462, 802.11a/b/g/n/ac wireless LAN • Dual Band (2.4 GHz and 5 GHz) • 1x1 MU-MIMO technology • Supports Bluetooth® 5.0 • 802.11a/b/g/n/ac wireless LAN • Operates at 2.4 GHz and 5 GHz LAN <ul style="list-style-type: none"> • Gigabit Ethernet, Wake-on-LAN ready WPAN <ul style="list-style-type: none"> • Bluetooth® 4.2 	1
Security		BIOS user, supervisor, HDD passwords Kensington lock slot	
Dimensions and weight	8, 9	Dimensions <ul style="list-style-type: none"> • 363.4 (W) x 250.5 (D) x 19.95 (H) mm (14.31 x 9.86 x 0.79 inches) Weight <ul style="list-style-type: none"> • 1.9 kg (4.19 lbs.) with 3-cell battery pack 	
Power adapter and battery	10, 11	Power adapter 3-pin 65 W AC adapter <ul style="list-style-type: none"> • 107.0 (W) x 47.0 (D) x 30.0 (H) mm (4.21 (W) x 1.85 (D) x 1.18 (H) inches) • 243 g with 180 cm DC cable Battery <ul style="list-style-type: none"> • 36 Wh 3220 mAh 11.4 V 3-cell Li-ion battery pack (for models with Full HD Panel + HDD + SSD) Battery life: Up to 8 hours Up to 7.5 hours (based on MobileMark® 2014 test results) Up to 7 hours (based on video playback test results) Up to 8 hours (based on web browsing test results)	
Input and control		Keyboard 103-/104-/107-key FineTip backlit keyboard with independent standard numeric keypad, international language support and power button 103-/104-/107-key FineTip keyboard with independent standard numeric keypad, international language support, power button Media Keys Media control keys (printed on keyboard): play/pause, stop, previous, next, volume up, volume down TouchPad	

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	Multi-gesture touchpad with two buttons, supporting two-finger scroll; pinch; gestures to open Cortana, Action Center, multitasking; application commands <ul style="list-style-type: none"> • Microsoft Precision Touchpad certification 	
Input and output	Two USB 3.1 Gen1 ports USB 2.0 port HDMI® port with HDCP support 3.5 mm headphone/speaker jack, supporting headsets with built-in microphone Ethernet (RJ-45) port DC-in jack for AC adapter	
Windows Store Apps	12 In-House <ul style="list-style-type: none"> • Acer Collection • Quick Access Productivity <ul style="list-style-type: none"> • Cyberlink® PhotoDirector 8 • Cyberlink® PowerDirector 14 Tools <ul style="list-style-type: none"> • MS Remote Desktop • MS Translator 	
Windows Desktop Apps	12 Content <ul style="list-style-type: none"> • App Explorer • Movie and Audio Studio • Netflix • QQLive • Sohu Video • Stagelight Games <ul style="list-style-type: none"> • Hearts Deluxe • Simple Mahjong • Simple Solitaire • Spades In-House <ul style="list-style-type: none"> • Acer Care Center • Acer Configuration Manager • Acer Product Registration Security <ul style="list-style-type: none"> • GoTrust • Norton™ Internet Security 	
Warranty	One-year International Travelers Warranty (ITW)	
1. Specifications vary depending on model. 2. 64-bit software is required to enjoy the advantages of 64-bit processing.		

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3. 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.
4. Memory speed may vary, depending on the CPU, chipset or memory fitted.
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. 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.
7. 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.
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. 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: 10th Gen Intel® Core™ i7, NVIDIA® GeForce® MX230, FHD, HDD + SSD, 16GB of DDR4 memory. Battery life test condition: LCD brightness 150 nits, connected headphones, WLAN off, Bluetooth off and Better Battery Mode on.
11. 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: 10th Gen Intel® Core™ i7, NVIDIA® GeForce® MX230, FHD, HDD + SSD, 16GB of DDR4 memory. Battery life test condition: 100 nits LCD brightness, 50% speaker volume, WLAN on, Bluetooth on, no WW direct Internet connection.
12. 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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Founded in 1976, Acer is now one of the world's top ICT companies and has a presence in over 160 countries. As Acer looks into the future, it is focused on enabling a world where hardware, software and services will fuse with one another to open up new possibilities for consumers and businesses alike. From service-oriented technologies to the Internet of Things to gaming and virtual reality, Acer's 7,000+ employees are dedicated to the research, design, marketing, sale, and support of products and solutions that break barriers between people and technology. Please visit www.acer.com for more information.



Appendix

v2-0-2 (Ver. 2)

Dimensions and weight

v3-0-3 (Ver. 3)

Dimensions and weight

v4-0-4 (Ver. 4)

CPU and chipset

Power adapter and battery and Battery's footnote