Aspire A515-54 Specifications (v7-0-7)

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 • 4 GB of onboard DDR4 system memory • Up to 20 GB of DDR4 system memory	4
Display		15.6" display with IPS (In-Plane Switching) technology, Full HD 1920 x 1080, Acer ComfyView™ LED-backlit TFT LCD 16:9 aspect ratio Wide viewing angle up to 170 degrees Ultra-slim design Mercury free, environment friendly	5
		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	**Intel® UHD Graphics 620**, supporting OpenGL® 4.3/4.4, OpenCL™ 1.2/2.0, Microsoft® DirectX® 11.3/12, HDMI® 1.4, DP 1.2	
		Intel® UHD Graphics, supporting OpenGL® 4.5, OpenCL™ 2.1, Microsoft® DirectX® 12	6

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Audio	• Acer Purified.Voice technology with two built-in microphones. Features include far-field pickup, keystroke suppression, voice tracking, adaptive beam forming, voice recognition enhancement, two pre-defined modes: personal call, conference call • Acer TrueHarmony Gen 2 technology for lower distortion, wider frequency range, headphone-like audio and powerful sound with three surrounding sound effect modes (Music, Movie and Gaming) for internal speaker and headphone • Compatible with Cortana with Voice • Two built-in stereo speakers	
Storage	**Solid state drive** • 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 TB / 2 TB 2.5-inch 5400 RPM	1, 7 1, 7 8
Webcam [1]	**Video conferencing** HD webcam with: • 1280 x 720 resolution • 720p HD audio/video recording	
Wireless and networking [1]	**WLAN** • Intel® Wireless-AC 9560, 802.11a/b/g/n/ac wireless LAN • Dual Band (2.4 GHz and 5 GHz) • 2x2 MU-MIMO technology • Supports Bluetooth® 5.0 • 802.11a/b/g/n/ac wireless LAN • Operates at 2.4 GHz and 5 GHz • Intel® Wireless Wi-Fi 6 AX201 • 802.11a/b/g/n/acR2+ax (Pre-Standard) wireless LAN • Dual Band (2.4 GHz and 5 GHz) • 2x2 MU-MIMO technology • Supports Bluetooth® 5.0 • Wi-Fi CNVi Interface **WPAN** • Bluetooth® 4.2 **LAN** • Gigabit Ethernet, Wake-on-LAN ready	 1
Security	BIOS user, supervisor, HDD passwords Kensington lock slot	
Dimensions and weight [9, 10]	**Dimensions** • 363.4 (W) x 250.5 (D) x 17.95 (H) mm (14.31 x 9.86 x 0.71 inches) **Weight** • 1.8 kg (3.97 lbs.) with 4-cell battery pack, one hard drive and one SSD	
Power adapter and battery [11, 12]	**Power adapter** 3-pin 45 W AC adapter:	

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	• 95 (W) x 38 (D) x 25.4 (H) mm (3.74 x 1.5 x 1.0 inches)
	• 150 g with 150 cm DC cable
	Battery
	• 48 Wh 3220 mAh 15.2 V 4-cell Li ion battery pack
	  (for models with Full HD Panel + HDD + SSD)
	  Battery life:
	  Up to 11 hours
	  Up to 9.5 hours (based on MobileMark® 2014 test results)
	  Up to 9.5 hours (based on video playback test results)
	  Up to 11 hours (based on web browsing test results)
		13

Input and control	**Keyboard** 100-/101-/104-key FineTip backlit keyboard with independent numeric keypad, international language support, and power button 100-/101-/104-key FineTip keyboard with independent numeric keypad, international language support, and power button **Media Keys** Media control keys (printed on keyboard): play/pause, stop, previous, next, volume up, volume down **TouchPad** Multi-gesture touchpad with two buttons, supporting two-finger scroll; pinch; gestures to open Cortana, Action Center, multitasking; application commands • Microsoft Precision Touchpad certification	
Input and output	USB 2.0 port Two USB 3.1 Gen1 ports with one featuring power-off USB charging USB Type-C^{TM} port: USB 3.1 Gen 1 (up to 5 Gbps) 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 [14]	**In-House** • Acer Collection • Quick Access **Productivity** • Cyberlink® PhotoDirector 8 • Cyberlink® PowerDirector 14 **Tools** • MS Remote Desktop • MS Translator	
Windows Desktop Apps [14]	**In-House** • Acer Product Registration	
Warranty	One-year International Travelers Warranty (ITW)	
1. Specifications vary depending on model.		

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2. 64-bit software is required to enjoy the advantages of 64-bit processing.

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. 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: 10th Gen Intel® Core™ i3, Intel® UHD Graphics, HD, HDD only, 8GB 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: 10th Gen Intel® Core™ i3, Intel® UHD Graphics, HD, HDD only, 8GB of DDR4 memory. Battery life test condition: 100 nits LCD brightness, 50% speaker volume, WLAN on, Bluetooth on, no WW direct Internet connection.

13. Listed battery life is based on MobileMark 2014® productivity mode testing with wireless on. Details of MobileMark 2014 testing are available at www.bapco.com. Battery life rating is for comparison purposes only. Actual battery life varies by model, configuration, application, power management settings, operating conditions, and features used. A battery's maximum capacity decreases with time and use.

14. Bundled software may vary depending on hardware configuration, OS and regional availability.

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Ultrabook, Celeron, Celeron Inside, Core Inside, Intel, Intel Logo, Intel Atom, Intel Atom Inside, Intel Core, Intel Inside, Intel Inside Logo, Intel vPro, Itanium, Itanium Inside, Pentium, Pentium Inside, vPro Inside, Xeon, Xeon Phi, Xeon Inside, and Intel Optane are trademarks of Intel Corporation or its subsidiaries in the U.S. and/or other countries.

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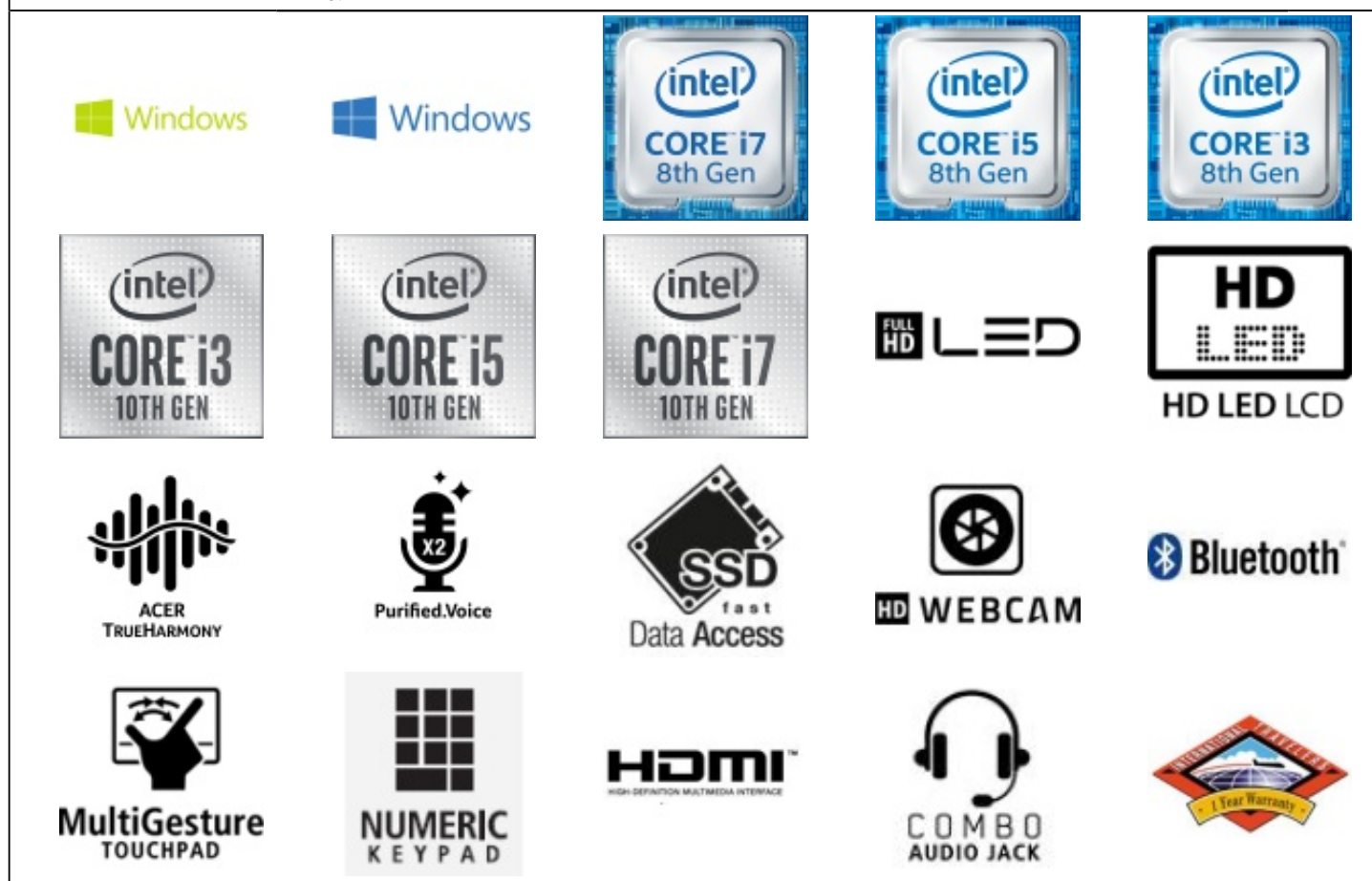
Appendix

v3-0-3 (Ver. 2)

Input and output

Dimensions and weight

v4-0-4 (Ver. 3)

Wireless and networking

Storage

Input and output

Software

v5-0-5 (Ver. 4)

CPU and chipset

Input and control

v6-0-6 (Ver. 5)

Wireless and networking

Power adapter and battery and Battery's footnote

v7-0-7 (Ver. 6)

Graphics