Aspire A517-52G (Win10) Specifications (v8-0-7)

Category		Description	Footnotes
Operating system	1	Windows 10 Home 64-bit	2
CPU and chipset	1	**Intel® Core™ i7-1165G7** processor (12 MB Smart Cache, 2.8 GHz with Turbo Boost up to 4.7 GHz, DDR4 or LPDDR4x, Intel® Iris® Xe Graphics) **Intel® Core™ i5-1135G7** processor (8 MB Smart Cache, 2.4 GHz with Turbo Boost up to 4.2 GHz, DDR4 or LPDDR4x, Intel® Iris® Xe Graphics) **Intel® Core™ i3-1115G4** processor (6 MB Smart Cache, 3.0 GHz with Turbo Boost up to 4.1 GHz, DDR4 or LPDDR4x)	
Memory	1, 3, 4	Dual-channel DDR4 SDRAM support • 8 GB of onboard DDR4 system memory • Up to 24 GB of DDR4 system memory Dual-channel DDR4 SDRAM support • 4 GB of onboard DDR4 system memory • Up to 20 GB of DDR4 system memory Memory Frequency : Up to 3200 MT/s	4
Display		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	5
Graphics	1	**NVIDIA® GeForce® MX450** with 2 GB of dedicated GDDR5 or GDDR6 VRAM **Graphics Special Technology#** • NVIDIA® Optimus™ • NVIDIA® GPU Boost™ • NVIDIA® Game Ready Drivers support • PCI Express® 4.0 • Microsoft® DirectX® 12 API with feature level 12_1 • Vulkan API 1.2 • OpenGL 4.6 • OpenCL 1.2 **NVIDIA® GeForce® MX350** with 2 GB of dedicated GDDR5 VRAM **Graphics Special Technology#** • Supports NVIDIA® Optimus® • NVIDIA® GPU Boost™3.0 • NVIDIA® GameWorks™	6

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	• Microsoft® DirectX® 12 API • Vulkan API 1.1 • OpenGL 4.6 • OpenCL 1.2 • PCI Express® 3.0	
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** • 128 GB / 256 GB / 512 GB / 1 TB, PCIe Gen3 8 Gb/s up to 4 lanes, NVMe **Hard disk drive** • 1 TB / 2 TB 2.5-inch 5400 RPM	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 Wi-Fi 6 AX201 • 802.11a/b/g/n/acR2+ax wireless LAN • Dual Band (2.4 GHz and 5 GHz) • 2x2 MU-MIMO technology • Supports Bluetooth® 5.1 or above • Wi-Fi CNVi Interface • 802.11a/b/g/n/ac+ax wireless LAN • Dual Band (2.4 GHz and 5 GHz) • 2x2 MU-MIMO technology • Supports Bluetooth® 5.1 or above **WPAN** • Bluetooth® 5.0 **LAN** • Gigabit Ethernet, Wake-on-LAN ready	 1
Security	Acer Bio-Protection fingerprint solution, featuring computer protection and Windows Hello Certification Firmware Trusted Platform Module (TPM) solution BIOS user, supervisor passwords, Kensington lock slot	

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Dimensions and weight [9, 10]	**Dimensions** • 403.5 (W) x 263.7 (D) x 19.9 (H) mm (15.89 x 10.38 x 0.78 inches) with Metal A Cover **Weight** • 2.14 kg (4.72 lbs.) with 3-cell battery pack, one SSD • 2.22 kg (4.89 lbs.) with 3-cell battery pack, one hard drive • 2.27 kg (5 lbs.) with 3-cell battery pack, one hard drive and one SSD	
Power adapter and battery	**Power adapter** 3-pin 45 W AC adapter: • 94 (W) x 39 (D) x 26.5 (H) mm (3.70 x 1.54 x 1.04 inches) • 142 g with 150 cm DC cable **Battery** • 48 Wh 3-cell Li-ion battery Battery life: Up to 8 hours (based on MobileMark® 2014 test results) Up to 8 hours (based on video playback test results) Up to 8 hours (based on web browsing test results)	11, 12, 13
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 **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 Type-C** USB Type-C™ port, supporting: • USB 3.2 Gen 1 (up to 5 Gbps) **USB Standard A** Three USB Standard-A ports, supporting: • One port for USB 2.0 • One port for USB 3.2 Gen 1 • One port for USB 3.2 Gen 1 featuring power off USB charging HDMI® 2.0 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** • Quick Access **Productivity** • Cyberlink® PhotoDirector 8	

	• Cyberlink® PowerDirector 14	
Windows Desktop Apps 14	**In-House** • Acer Care Center • Acer Product Registration	
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.
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: 11th Gen Intel® Core™ i7, Intel® Iris® Plus Graphics, FHD, HDD + SSD, 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: 11th Gen Intel® Core™ i7, Intel® Iris® Plus Graphics, FHD, HDD + SSD, 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. *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.*
14. 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.

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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.

About Acer

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

v3-0-3 (Ver. 2)

No changes found!

v4-0-4 (Ver. 3)

Security

Software

Input and output

v5-0-5 (Ver. 4)

Graphics

v6-0-6 (Ver. 5)

Graphics

Wireless and networking

Power adapter and battery

Input and output

Memory

v7-0-7 (Ver. 6)

About

Wireless and networking

Software

v8-0-7 (Ver. 7)

Wireless and networking