Aspire A517-53G Specifications (v1-0-1)

Category		Description	Footnotes
Operating system	1	Windows 11 Home	
CPU and chipset	1	**Intel® Core™ i7-1260P** processor (18 MB Smart Cache, 2.1 GHz Performance-core with Intel® Turbo Boost Technology 2.0 up to 4.7 GHz), supporting hybrid core architecture with Performance-core and Efficient-core	
		Intel® Core™ i7-1255U processor (12 MB Smart Cache, 1.7 GHz Performance-core with Intel® Turbo Boost Technology 2.0 up to 4.7 GHz), supporting hybrid core architecture with Performance-core and Efficient-core	
		Intel® Core™ i5-1240P processor (12 MB Smart Cache, 1.7 GHz Performance-core with Intel® Turbo Boost Technology 2.0 up to 4.4 GHz), supporting hybrid core architecture with Performance-core and Efficient-core	
		Intel® Core™ i5-1235U processor (12 MB Smart Cache, 1.3 GHz Performance-core with Intel® Turbo Boost Technology 2.0 up to 4.4 GHz), supporting hybrid core architecture with Performance-core and Efficient-core	
		Intel® Core™ i3-1220P processor (12 MB Smart Cache, 1.5 GHz Performance-core with Intel® Turbo Boost Technology 2.0 up to 4.4 GHz), supporting hybrid core architecture with Performance-core and Efficient-core	
		Intel® Core™ i3-1215U processor (10 MB Smart Cache, 1.2 GHz Performance-core with Intel® Turbo Boost Technology 2.0 up to 4.4 GHz), supporting hybrid core architecture with Performance-core and Efficient-core	
Memory	1, 2, 3	Dual-channel DDR4 SDRAM support: • Up to 16 GB of DDR4 system memory, upgradable to 32 GB using two soDIMM modules Memory Frequency : Up to 3200 MT/s	3, 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
		17.3" HD+ 1600 x 900 resolution, high-brightness Acer CineCrystal™ LED-backlit TFT LCD	5

Aspire A517-53G Specifications (v1-0-1)

	16:9 aspect ratio 60% color gamut Ultra-Slim design Mercury free, environment friendly	
Graphics [1]	**NVIDIA® GeForce® MX550** with 2G or 4GB delicated GDDR6 VRAM • NVIDIA® GPU Boost™ • NVIDIA® Game Ready Drivers • PCI Express 4.0 • Microsoft DirectX 12 • Vulkan API 1.2 • OpenGL 4.6 • OpenCL 3.0 **NVIDIA® GeForce® RTX™2050** with 4 GB of dedicated GDDR6 VRAM	
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, three pre-defined modes: voice recognition, personal call, conference call • Acer TrueHarmony technology for lower distortion, wider frequency range, headphone-like audio and powerful sound • Two built-in stereo speakers	
Storage	**Solid state drive** • 256 GB / 512 GB / 1 TB, PCIe Gen4, 16 Gb/s, NVMe • 128 GB / 256 GB / 512 GB / 1 TB, PCIe Gen3 8 Gb/s up to 4 lanes, NVMe	1, 6 1, 6
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 • Dual Mic (33 mm + 33 mm) • 78 x 3.2 (5.2) x 3 mm	
Wireless and networking [1]	**WLAN** • Intel® Wireless Wi-Fi 6E AX211 • 802.11 a/b/g/n/ac/ax wireless LAN • Band: 2.4 GHz, 5 GHz, and 6 GHz • 2x2 MU-MIMO technology • Support Bluetooth® 5.2 and later • Support CNVi interface • Intel® Wireless Wi-Fi 6 AX201 • 802.11a/b/g/n/acR2+ax wireless LAN	

Aspire A517-53G Specifications (v1-0-1)		
	• Dual Band (2.4 GHz and 5 GHz) • 2x2 MU-MIMO technology • Supports Bluetooth® 5.1 • Wi-Fi CNVi Interface • 802.11a/b/g/n+ax wireless LAN • Dual Band (2.4 GHz and 5 GHz) • Supports MU-MIMO RX technology • Supports Bluetooth® 5.2 • Wi-Fi M.2 (NGFF) 2230 PCI-E Interface **WPAN** • Bluetooth® 5.1 **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	
Dimensions and weight 7, 8	**Dimensions** • 402.1 (W) x 257.85 (D) x /19.9 (H) mm (15.83 x 10.15 x /0.78 inches) with Metal A Cover **Weight** • 2.4 kg (5.29 lbs.) with 3-cell battery pack	
Power adapter and battery 9, 10	**Power adapter** 3-pin 65 W AC adapter • 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** • 50 Wh 3-cell Li-ion battery (for models with Full HD Panel + SSD) Battery life: Up to 6 hours (based on MobileMark® 2018 test results) Up to 7 hours (based on video playback test results) Up to 8 hours (based on web browsing test results)	11
Input and control	**TouchPad** Multi-gesture secure touchpad, supporting two-finger scroll; pinch; gestures to open Cortana, Action Center, multitasking; Fingerprint application commands • Microsoft Precision Touchpad certification • Moisture resistant • No Deadzone • Windows Hello Certification • Protecting Against Fingerprint Spoofing	

Aspire A517-53G Specifications (v1-0-1)

	Keyboard 99-/100-/103-key Acer keyboard layout with international language support including indicators of CapsLock and F4/Microphone mute 99-/100-/103-key Acer backlit keyboard with international language support, with indicators of CapsLock and F4/Microphone mute **Media Keys** Media control keys (printed on keyboard): volume up, volume down	
Input and output	HDMI$^®$ 2.0 port with HDCP support 3.5 mm headphone/speaker jack, supporting headsets with built-in microphone DC-in jack for AC adapter Three USB 3.2 Gen 1 ports with one featuring power-off USB charging USB Type-C$^{™}$ port: USB 3.2 Gen 2 (up to 10 Gbps) • USB 3.2 Gen 2 (up to 10 Gbps) • DisplayPort over USB-C • Thunderbolt^{TM} 4 • USB charging 5 V; 3 A • DC-in port 20 V; 65 W Ethernet (RJ-45) port	
Windows ¹² **Desktop Apps**	**In-House** • Acer Care Center • Acer Product Registration • Quick Access **Security** • PC Manager	
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. 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. Minor variations in system dimensions are possible due to the manufacturing process.
8. Weight may vary depending on product configuration, vendor components, manufacturing variability, and selected options.
9. 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:

Aspire A517-53G Specifications (v1-0-1)

12th Gen Intel® Core™ i7, Intel® UHD Graphics, FHD, SSD only, 16GB of DDR4 memory. Battery life test condition: LCD brightness 150 nits, connected headphones, WLAN off, Bluetooth off and Better Battery Mode on.

10. 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™ i7, Intel® UHD Graphics, FHD, SSD only, 16GB of DDR4 memory. Battery life test condition: 100 nits LCD brightness, 50% speaker volume, WLAN on, Bluetooth on, no WW direct Internet connection.

11. *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.*

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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intel CORE i7

Full HD LED

NVIDIA

NVIDIA GEFORCE RTX

ACER TrueHarmony

Purified.Voice

SSD fast Data Access

Bluetooth

MultiGesture TOUCHPAD

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

COMBO AUDIO JACK

1 Year Warranty