



Aspire AV15-53P Specifications (v1-0-1)			
Category		Description	Footnotes
Operating system	1	Windows 11 Home	
CPU and chipset	1	<p>Intel® Core™ i7-1355U processor (12 MB Smart Cache, 1.7 GHz Performance-core with Intel® Turbo Boost Technology 2.0 up to 5.0 GHz), supporting hybrid core architecture with Performance-core and Efficient-core</p> <p>Intel® Core™ i5-1335U processor (12 MB Smart Cache, 1.3 GHz Performance-core with Intel® Turbo Boost Technology 2.0 up to 4.6 GHz), supporting hybrid core architecture with Performance-core and Efficient-core</p> <p>Intel® Core™ i3-1315U processor (10 MB Smart Cache, 1.2 GHz Performance-core with Intel® Turbo Boost Technology 2.0 up to 4.5 GHz), supporting hybrid core architecture with Performance-core and Efficient-core</p>	
Memory	1, 2, 3	<p>Dual-channel LPDDR5 SDRAM support</p> <ul style="list-style-type: none"> • 16 GB of onboard LPDDR5 system memory <p>Dual-channel LPDDR5 SDRAM support</p> <ul style="list-style-type: none"> • 8 GB of onboard LPDDR5 system memory <p>Memory Frequency : Up to 6400 MT/s</p>	
Display		<p>15.6" display with IPS (In-Plane Switching) technology, Full HD 1920 x 1080, high-brightness (300 nits) Acer ComfyView™ LED-backlit TFT LCD 16:9 aspect ratio, color gamut sRGB 100% Wide viewing angle up to 170 degrees Slim and narrow border design Mercury free, environment friendly</p> <p>15.6" 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 Ultra-slim design Mercury free, environment friendly</p>	4 4
Graphics	1	<p>Intel® Iris® Xe Graphics, supporting OpenGL® 4.5, OpenCL™ 2.2, Microsoft® DirectX® 12</p> <p>Intel® UHD Graphics, supporting OpenGL® 4.5, OpenCL™ 2.2, Microsoft® DirectX® 12</p>	5 5
Audio		<ul style="list-style-type: none"> • Acer Purified.Voice technology with AI noise reduction in dual built-in microphones. Features include far-field pickup, dynamic noise 	

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		<p>reduction through neural network, adaptive beam forming, and pre-defined personal and conference call modes.</p> <ul style="list-style-type: none"> • Compatible with Cortana with Voice • Acer TrueHarmony technology for lower distortion, wider frequency range, headphone-like audio and powerful sound
Storage		<p>Solid state drive</p> <ul style="list-style-type: none"> • 256 GB / 512 GB / 1 TB, PCIe Gen4, 16 Gb/s, NVMe
Webcam	1	<p>Video conferencing</p> <p>UFC with</p> <ul style="list-style-type: none"> • T-Type USB QHD camera • Compatible with Windows only • 2560 x 1440 resolution • 1440p QHD video at 30 fps with Temporal Noise Reduction • Blue glass lens • Dual Mic (33 mm + 33 mm) • 71.7 x 3.2 (5.2) x 3.02 mm <p>UFC with</p> <ul style="list-style-type: none"> • T-Type USB FHD camera • Compatible with Windows • 1920 x 1080 resolution • 1080p HD video at 60 fps with Temporal Noise Reduction • Dual Mic (33 mm + 33 mm) • Blue Glass lens • 78 x 3.2 (5.2) x 3 mm
Wireless and networking	1	<p>WLAN</p> <ul style="list-style-type: none"> • 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® 5.1 or above • Support CNVi interface • Killer™ Wireless Wi-Fi 6E 1675i • 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® 5.1 or above • Support CNVi interface
Security		<p>Acer Bio-Protection fingerprint solution, featuring computer protection and Windows Hello Certification</p> <p>Firmware Trusted Platform Module (TPM) solution</p> <p>BIOS user, supervisor passwords,</p> <p>Kensington lock slot</p>
Dimensions and weight	7, 8	Dimensions

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		<ul style="list-style-type: none"> • 359.7 (W) x 236.9 (D) x 17.9 (H) mm (14.16 x 9.33 x 0.7 inches) with Plastic A Cover <p>Weight</p> <ul style="list-style-type: none"> • 1.74 kg (3.84 lbs.) with 3-cell battery pack • 1.74 kg (3.84 lbs.) with 4-cell battery pack
Power adapter and battery	9, 10	<p>Power adapter</p> <p>3-pin 65 W AC adapter</p> <ul style="list-style-type: none"> • 3.54 (W) x 51.0 (D) x 28.5 (H) mm (3.54 (W) x 2.00 (D) x 1.12 (H) inches) • 210 g with 150 cm DC cable <p>USB Type-C 65 W PD AC adapter:</p> <ul style="list-style-type: none"> • 108 (W) x 46 (D) x 29.5 (H) mm (4.25 x 1.81 x 1.16 inches) • 5 V / 3 A or 9 V / 3 A or 12 V / 3 A or 15 V / 3 A or 20 V / 3.25 A as output power • 250 g with 1500 mm DC cable <p>Battery</p> <ul style="list-style-type: none"> • 50 Wh 3-cell Li-ion battery <p>(for models with Full HD IPS Panel + SSD)</p> <p>Battery life:</p> <p>Up to 8.5 hours (based on MobileMark® 2018 test results)</p> <p>Up to 12.5 hours (based on video playback test results)</p> <p>Up to 10.5 hours (based on web browsing test results)</p> <ul style="list-style-type: none"> • 56 Wh 4-cell Li-ion battery <p>(for models with Full HD IPS Panel + SSD)</p> <p>Battery life:</p> <p>Up to 12.5 hours (based on MobileMark® 2018 test results)</p> <p>Up to 17.5 hours (based on video playback test results)</p> <p>Up to 15.5 hours (based on web browsing test results)</p>
Input and control		<p>Keyboard</p> <p>100-/101-/104-key FineTip backlit keyboard with independent numeric keypad, international language support, and power button</p> <p>Media Keys</p> <p>Media control keys (printed on keyboard): volume up, volume down</p> <p>TouchPad</p> <p>Multi-gesture secure touchpad, supporting two-finger scroll; pinch; gestures to open Cortana, Action Center, multitasking; Fingerprint application commands</p> <ul style="list-style-type: none"> • Microsoft Precision Touchpad certification • Moisture resistant • No Deadzone • Windows Hello Certification • Protecting Against Fingerprint Spoofing
Input and output		<p>USB Type-C</p> <p>Two USB Type-C™ ports</p>

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		USB Type-C™ port supporting: <ul style="list-style-type: none"> • USB 3.2 Gen 2 (up to 10 Gbps) • Thunderbolt™ 4 • USB charging 5 V; 3 A • DC-in port 20 V; 65 W USB Standard A Two USB Standard-A ports, supporting: <ul style="list-style-type: none"> • One port for USB 3.2 Gen 1 • One port for USB 3.2 Gen 1 featuring power off USB charging HDMI® 2.1 port with HDCP support DC-in jack for AC adapter 3.5 mm headphone/speaker jack, supporting headsets with built-in microphone
Windows Desktop Apps	12	In-House <ul style="list-style-type: none"> • Acer Care Center • Acer Product Registration • Quick Access Lifestyle <ul style="list-style-type: none"> • VeroSense
Warranty		One-year International Travelers Warranty (ITW)
<ol style="list-style-type: none"> 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. All brands and product names mentioned herein include trademarks of their respective companies and are used solely to describe or identify the products. 5. Not all features indicated are supported on all SKUs 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: 13th Gen Intel® Core™ i5, Intel® Iris® Plus Graphics, FHD, SSD only, 8GB of LPDDR5 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 		

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format and features used. A battery's maximum capacity decreases with time and use. Battery life test configuration: 13th Gen Intel® Core™ i5, Intel® Iris® Plus Graphics, FHD, SSD only, 8GB of LPDDR5 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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PurifiedVoice with
AI Noise Reduction



Data Access



NUMERIC
KEYPAD



MultiGesture
TOUCHPAD

HDMI
HIGH-DEFINITION MULTIMEDIA INTERFACE



COMBO
AUDIO JACK

