



Aspire A514-56P (Win11) Specifications (v6-0-4)			
Category		Description	Footnotes
<b>Operating system</b>	1	Windows 11 Home	
<b>CPU and chipset</b>	1	<p><b>Intel® Core™ i7-1355U</b> 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><b>Intel® Core™ i5-1335U</b> 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><b>Intel® Core™ i3-1315U</b> 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> <p><b>Intel® Core™ i3-1305U</b> processor (10 MB Smart Cache, 1.6 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>	
<b>Memory</b>	1, 2, 3	<p>Dual-channel LPDDR5 SDRAM support</p> <ul style="list-style-type: none"> <li>• 32 GB of onboard LPDDR5 system memory</li> </ul> <p>Dual-channel LPDDR5 SDRAM support</p> <ul style="list-style-type: none"> <li>• 16 GB of onboard LPDDR5 system memory</li> </ul> <p>Dual-channel LPDDR5 SDRAM support</p> <ul style="list-style-type: none"> <li>• 8 GB of onboard LPDDR5 system memory</li> </ul> <p>Memory Frequency : Up to 4800 MT/s</p>	
<b>Display</b>		<p>14.0" display with IPS (In-Plane Switching) technology, WUXGA 1920 x 1200, Acer ComfyView™ LED-backlit TFT LCD</p> <p>16:10 aspect ratio, color gamut NTSC 45%</p> <p>Wide viewing angle up to 170 degrees</p> <p>Mercury free, environment friendly</p>	4
<b>Graphics</b>	1	<p><b>Intel® Iris® Xe Graphics</b> eligible <b>Graphics Special Technology#</b></p> <ul style="list-style-type: none"> <li>• OpenGL® 4.6</li> <li>• OpenCL™ 3.0</li> <li>• Microsoft® DirectX® 12.1</li> <li>• Intel® Quick Sync Video</li> </ul> <p><b>Intel® UHD Graphics</b></p>	5

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		<p><b>Graphics Special Technology#</b></p> <ul style="list-style-type: none"> <li>• OpenGL® 4.6</li> <li>• OpenCL® 3.0</li> <li>• Microsoft® DirectX® 12</li> <li>• Vulkan 1.2</li> </ul> <p>(Notes: <b>Corei3-1315U and Corei3-1305U CPU: Intel® UHD Graphics for 13th Gen Intel® Processors</b> )</p>
<b>Audio</b>		<ul style="list-style-type: none"> <li>• Acer Purified.Voice technology with AI noise reduction in dual built-in microphones. Features include far-field pickup, dynamic noise reduction through neural network, adaptive beam forming, and pre-defined personal and conference call modes.</li> <li>• Compatible with Cortana with Voice</li> <li>• Two built-in stereo speakers</li> </ul>
<b>Storage</b>		<p><b>Solid state drive</b></p> <ul style="list-style-type: none"> <li>• 256 GB / 512 GB / 1 TB, PCIe Gen4, 16 Gb/s, NVMe</li> <li>• SSD slot: 1</li> </ul>
<b>Webcam</b>	1	<p><b>Video conferencing</b></p> <p>UFC with</p> <ul style="list-style-type: none"> <li>• T-Type HD camera</li> <li>• Compatible with Windows only</li> <li>• 1280 x 720 resolution</li> <li>• 720p HD video at 30 fps with Temporal Noise Reduction</li> <li>• Blue Glass lens</li> <li>• Dual Mic (33 mm + 33 mm)</li> <li>• 78 x 3.2 (5.2) x 3 mm</li> </ul>
<b>Wireless and networking</b>	1	<p><b>WLAN</b></p> <ul style="list-style-type: none"> <li>• 802.11a/b/g/n/ac+ax wireless LAN</li> <li>• Dual Band (2.4 GHz and 5 GHz)</li> <li>• 2x2 MU-MIMO technology</li> <li>• Supports Bluetooth 5.1 or above</li> </ul>
<b>Security</b>		<p>BIOS user, supervisor passwords, Kensington lock slot</p>
<b>Dimensions and weight</b>	7, 8	<p><b>Dimensions</b></p> <ul style="list-style-type: none"> <li>• 318.8 (W) x 225.5 (D) x 17.99 (H) mm (12.55 x 8.88 x 0.71 inches)</li> </ul> <p><b>Weight</b></p> <ul style="list-style-type: none"> <li>• 1.52 kg (3.35 lbs.) with 3-cell battery pack</li> </ul>
<b>Power adapter and battery</b>		<p><b>Power adapter</b></p> <p>3-pin 65 W AC adapter</p> <ul style="list-style-type: none"> <li>• 107.0 (W) x 47.0 (D) x 30.0 (H) mm (4.21 (W) x 1.85 (D) x 1.18 (H) inches)</li> <li>• 243 g with 180 cm DC cable</li> </ul> <p><b>Battery</b></p> <ul style="list-style-type: none"> <li>• 50 Wh 3-cell Li-ion battery</li> </ul>

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	(for models with WUXGA Panel + SSD) Battery life: Up to 10.5 hours (based on MobileMark® 2018 test results) Up to 11 hours (based on video playback test results) Up to 12 hours (based on web browsing test results)	
<b>Input and control</b>	<p><b>Keyboard</b> 80-/81-/84-key Acer keyboard layout with international language support including indicators of CapsLock and F4/Microphone mute</p> <p><b>Media Keys</b> Media control keys (printed on keyboard): volume up, volume down</p> <p><b>TouchPad</b> Multi-gesture touchpad, supporting two-finger scroll; pinch; gestures to open Cortana, Action Center, multitasking; application commands</p> <ul style="list-style-type: none"> <li>• Microsoft Precision Touchpad certification</li> <li>• Moisture resistant</li> </ul>	
<b>Input and output</b>	<p><b>USB Standard A</b> Two USB Standard-A ports, supporting:</p> <ul style="list-style-type: none"> <li>• One port for USB 3.2 Gen 1</li> <li>• One port for USB 3.2 Gen 1 featuring power off USB charging</li> </ul> <p>HDMI® 2.1 port with HDCP support 3.5 mm headphone/speaker jack, supporting headsets with built-in microphone DC-in jack for AC adapter</p>	
<b>Windows Desktop Apps</b>	12 <b>In-House</b>	<ul style="list-style-type: none"> <li>• Acer Care Center</li> <li>• Acer Product Registration</li> <li>• Quick Access</li> </ul>
<b>Warranty</b>	One-year International Travelers Warranty (ITW)	
<ol style="list-style-type: none"> <li>1. Specifications vary depending on model.</li> <li>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.</li> <li>3. Memory speed may vary, depending on the CPU, chipset or memory fitted.</li> <li>4. All brands and product names mentioned herein include trademarks of their respective companies and are used solely to describe or identify the products.</li> <li>5. Not all features indicated are supported on all SKUs</li> <li>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.</li> <li>7. Minor variations in system dimensions are possible due to the manufacturing process.</li> <li>8. Weight may vary depending on product configuration, vendor components, manufacturing variability, and selected options.</li> <li>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</li> </ol>		

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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, WUXGA, SSD only, 16GB 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 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, WUXGA, SSD only, 16GB 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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# Appendix

## **v2-0-1 (Ver. 2)**

Wireless and networking

## **v3-0-2 (Ver. 3)**

Webcam

About

Input and output

## **v4-0-3 (Ver. 4)**

Input and control

CPU and chipset

Graphics

Dimensions and weight

Power adapter and battery and Battery's footnote

## **v5-0-4 (Ver. 5)**

Memory

## **v6-0-4 (Ver. 6)**

Wireless and networking