Spin SP314-21 Specifications (v1-0-1)

Category	Description	Footnotes
Operating system [1]	Windows 10 Home 64-bit	2
CPU and chipset [1]	**AMD Ryzen™ 3 3250U** dual-core processor (up to 1 MB L2 cache, up to 4 MB L3 cache, 2.6 GHz with Precision Boost up to 3.5 GHz) **AMD Athlon™ Gold 3150U** dual-core processor (up to 1 MB L2 cache, up to 4 MB L3 cache, 2.4 GHz with Precision Boost up to 3.3 GHz) **AMD Athlon™ Silver 3050U** dual-core processor (up to 1 MB L2 cache, up to 4 MB L3 cache, 2.3 GHz with Precision Boost up to 3.2 GHz) **AMD Athlon™ 3020e** dual-core processor (up to 1 MB L2 cache, up to 4 MB L3 cache, 1.2 GHz with Precision Boost up to 2.6 GHz)	
Memory [1, 3, 4]	DDR4 SDRAM support • 4 GB of single-channel, onboard DDR4 system memory • Up to 8 GB of dual-channel DDR4 system memory	
Display	14" Full HD 1920 x 1080 resolution LED-backlit TFT LCD with integrated multi-touch 16:9 aspect ratio Ultra-slim design Mercury free, environment friendly 14" HD 1366 x 768 resolution LED-backlit TFT LCD with integrated multi-touch 16:9 aspect ratio Ultra-slim design Mercury free, environment friendly	5 5
Graphics [1]	**AMD Radeon™** Graphics, supporting H.264/AVC 8b HW encode and decode, H.265/HEVC 8b & 10b HW encode and decode, VP9 HW 8b & 10b Decode, OpenGL® 4.5, Microsoft® DirectX® 12	
Audio	• DTS® Audio, featuring optimized bass response and micro-speaker distortion prevention • Two built-in front facing stereo speakers at any display modes by smart amplifier • Acer Purified.Voice technology with dual built-in microphones. Features include far-field pickup, keystroke suppression, adaptive beam forming, and pre-defined personal and conference call modes. • Compatible with Cortana with Voice • Acer TrueHarmony technology for lower distortion, wider frequency range, headphone-like audio and powerful sound	
Storage	**Solid state drive** • 128 GB, PCIe Gen3, 8 Gb/s, NVMe	 1, 6

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		• 256 GB / 512 GB / 1 TB, PCIe Gen3, 8 Gb/s, NVMe	1, 6
		• 128 / 256 / 512 GB, SATA 6 Gb/s	1, 6
Webcam	1	**Video conferencing** HD webcam with: • 1280 x 720 resolution • 720p HD audio/video recording • Super high dynamic range imaging (SHDR)	
Wireless and networking	1	**WLAN** • 802.11a/b/g/n/ac wireless LAN • Operates at 2.4 GHz and 5 GHz • 2x2 MU-MIMO technology **WPAN** • Bluetooth® 5.0	 1
Privacy control	1	BIOS user, supervisor, HDD passwords	
Security		Firmware Trusted Platform Module (TPM) solution Noble Lock TZ08 BIOS user, supervisor, HDD passwords	
Dimensions and weight	7, 8	**Dimensions** • 325 (W) x 230 (D) x 16.9 (H) mm (12.8 x 9.06 x 0.67 inches) **Weight** • 1.5 kg (3.31 lbs.) with 3-cell battery pack	

Power adapter and battery		**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
		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
		   (for models with Full HD Panel + SSD)
		   Battery life up to 12 hours
			
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Input and control		**Keyboard** 83-/84-/87-key Acer FineTip keyboard with international language support **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™ port: USB 3.2 Gen 2 (up to 10 Gbps) One USB 3.2 Gen 2 port featuring power-off USB charging USB 3.2 Gen 1 port HDMI® 2.0 port with HDCP support	

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	microSD^{TM} Card reader 3.5 mm headphone/speaker jack, supporting headsets with built-in microphone DC-in jack for AC adapter	
Sensors	Accelerometer (G-sensor)	
Windows Store Apps [10]	**In-House** • Quick Access **Productivity** • Cyberlink® PhotoDirector 8 • Cyberlink® PowerDirector 14	
Windows Desktop Apps [10]	**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. 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. The listed battery life is tested by Google according to this formula (the test loops and continues running until the battery is drained): The first 60% of the test period is 1) Browsing: A new web page is loaded every minute. The web page is scrolled down to the first "page fold" (the bottom of the part of a web page that is visible on an average screen – a depth of around 600 pixels) every 10 seconds, then scrolled back up at the same rate. The next 20% of the test period is 2) Email: Gmail is loaded in the foreground tab and audio is streamed from a background tab. The next 10% is 3) Documents: Various Google Docs are loaded. The final 10% is 4) Online Video: A full-screen 480p YouTube video is played.
10. 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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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.