Spin SP514-51N (Win11) Specifications (v4-0-4)

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™ 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	
Memory	1, 2, 3	Dual-channel LPDDR5 SDRAM support • 16 GB of onboard LPDDR5 system memory Dual-channel LPDDR5 SDRAM support • 8 GB of onboard LPDDR5 system memory Memory Frequency : Up to 4800 MT/s	
Display		14.0" display with IPS (In-Plane Switching) technology, WQXGA 2560 x 1600, high-brightness (425 nits) Acer CineCrystal™ LED-backlit TFT LCD, supporting multi-touch and AES pen solution 16:10 aspect ratio, color gamut sRGB 100% Wide viewing angle up to 170 degrees Mercury free, environment friendly	4
Graphics	1	**Intel® Iris® Xe Graphics**, supporting OpenGL® 4.5, OpenCL™ 2.2, Microsoft® DirectX® 12	5
Audio		• DTS® Audio, featuring optimized bass response and micro-speaker distortion prevention • 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. • Acer TrueHarmony technology for lower distortion, wider frequency range, headphone-like audio and powerful sound • Certified with Alexa Voice service (A4PC)	
Storage		**Solid state drive** • 512 GB / 1 TB, PCIe Gen4, 16 Gb/s, NVMe	1, 6
Webcam	1	**Video conferencing** UFC with • T-Type MIPI FHD camera • Compatible with Windows only	

Spin SP514-51N (Win11) Specifications (v4-0-4)			
		• 1920 x 1080 resolution • 1080p HD video at 60 fps with Temporal Noise Reduction • Blue glass lens • Dual Mic (33 mm + 33 mm) • 71.7 x 3.2 (5.2) x 3 mm	
Wireless and networking	1	**WLAN** • 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® 5.2 and later • Support CNVi interface	
Privacy control	1	BIOS user, supervisor	
Security		Firmware Trusted Platform Module (TPM) solution Power keycap fingerprint reader with on-chip matching design Noble Lock TZ08	
Dimensions and weight	7, 8	**Dimensions** • 311.2 (W) x 218.2 (D) x 16.9 (H) mm (12.25 x 8.59 x 0.67 inches) **Weight** • 1.3 kg (2.87 lbs.) with 4-cell battery pack, WQHD display	
Power adapter and battery	9	**Power adapter** USB Type-C 65 W PD AC adaptor • 56.0 (W) x 56.0 (D) x 28.5 (H) mm (2.20 x 2.20 x 1.12 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 • 188 g with 180 cm DC cable • US - fixed AC pins (2 pins design) USB Type-C 65 W PD AC adaptor • 56.0 (W) x 56.0 (D) x 28.8 (H) mm (2.20 x 2.20 x 1.13 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 • 206 g with 180 cm DC cable • UK - fixed AC pins (2 pins design) USB Type-C 65 W PD AC adaptor • 56.0 (W) x 56.0 (D) x 28.5 (H) mm (2.20 x 2.20 x 1.12 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 • 200 g with 180 cm DC cable • EU - fixed AC pins (2 pins design) USB Type-C 65 W PD AC adaptor • 56.0 (W) x 56.0 (D) x 28.5 (H) mm (2.20 x 2.20 x 1.12 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 • 188 g with 180 cm DC cable	

Spin SP514-51N (Win11) Specifications (v4-0-4)		
	• CN - fixed AC pins (2 pins design) **Battery** • 56 Wh 4-cell Li-ion battery • Supports Fast Charging technology (for models with QHD + SSD) Battery life: Up to 15 hours (based on video playback test results)	10
Input and control	**Keyboard** 80-/81-/84-key Acer backlight keyboard layout with international language support including indicators of CapsLock and F4/Microphone mute **TouchPad** Multi-gesture touchpad, supporting two-finger scroll; pinch; gestures to open Cortana, Action Center, multitasking; application commands • Microsoft Precision Touchpad certification • Moisture resistant	
Input and output	HDMI$^{®}$ 2.1 port with HDCP support Two USB 3.2 Gen 2 ports with one featuring power-off USB charging USB Type-C$^{™}$ port: USB 3.2 Gen 2 (up to 10 Gbps) • USB4$^{®}$ 20Gbps • DisplayPort over USB-C • Thunderbolt^{TM} 4 • USB charging 5 V; 3 A 3.5 mm headphone/speaker jack, supporting headsets with built-in microphone	
Sensors	Accelerometer (G-sensor) Ambient light sensor	
Windows Desktop Apps [11]	**In-House** • Acer Care Center • Acer Product Registration • Quick Access	
Options and accessories	**Accessory** Acer Active Pen • Length: 127.22 mm (with customized endcap); diameter: 5.3 mm • Weight: 4.1 g (with customized endcap) • Tip material: Elastomer • Pen force: 4096 levels • Two configurable buttons • Not replaceable fast charging supercap • Protocol: AES 2.0	
Warranty	One-year International Travelers Warranty (ITW)	
Others	• Reset hole	
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: 12th Gen Intel® Core™ i7, Intel® UHD Graphics, QHD, 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. *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.*

11. 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.

Microsoft and Windows are registered trademarks of Microsoft Corporation.

Ultrabook, Celeron, Celeron Inside, Core Inside, Intel, Intel Logo, Intel Arc graphics, Intel Atom, Intel Atom Inside, Intel Core, Intel Inside, Intel Inside Logo, Intel vPro, Intel Evo, Pentium, Pentium Inside, vPro Inside, Xeon, Xeon Inside, Intel Agilex, Arria, Cyclone, Movidius, eASIC, Ethernet, Iris, Killer, MAX, Select Solutions, Si Photonics, Stratix, Tofino, and Intel Optane are trademarks of Intel Corporation or its subsidiaries.

About Acer

Founded in 1976, Acer is one of the world's top ICT companies with a presence in more than 160 countries. As Acer evolves with the industry and changing lifestyles, it is focused on enabling a world where hardware, software and services will fuse with one another, creating ecosystems and opening up new possibilities for consumers and businesses alike. Acer's 7,500 employees are dedicated

Spin SP514-51N (Win11) Specifications (v4-0-4)

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)

Options and accessories

v4-0-4 (Ver. 3)

Power adapter and battery and Battery's footnote