Iconia B1-850 Specifications (v4-0-4)

Category		Description	Footnotes
Operating system	1	Android™ 5.1 (Lollipop)	
Dimensions and weight	2	**Dimensions** • 126.25 (W) x 210.7 (D) x 9.05/9.05 (H) mm (4.97 x x /0.36 inches) **Weight** 0.340 kg (0.75 lbs.) with -cell battery pack, pad only	
Color options		Essential White Electric Blue	
CPU and chipset	1	**MTK MT8163** quad-core Cortex A53 1.3 GHz processor	
Memory	1, 3	DDR3L memory support • DDR3L 1 GB on-board system memory	4, 5
Display	1	8.0" display with IPS (In-Plane Switching) technology, HD 1280 x 800 resolution, high-brightness, LED-backlit TFT LCD 16:10 aspect ratio Wide viewing angle Mercury free, environment friendly	6
Storage		• 16 GB eMMC **Card reader** • Supporting: microSD™ Card (SDXC)	7
Webcam	1	**Video conferencing** Rear webcam with: • 2560 x 1920 resolution • 1080p Full HD audio/video recording Front webcam with: • 1600 x 1200 resolution • 720p HD audio/video recording	
Wireless and networking	1	**WLAN** • 802.11a/b/g/n wireless LAN **WPAN** • Bluetooth® 4.0 **Location services** • GPS	8, 9 1
Power adapter and battery	1	**Power adapter** 2-pin 10 W AC adapter: • 43 (W) x 43 (D) x 27.5 (H) mm • 57 g, without DC cable • Fixed AC pins 2-pin 10 W AC adapter: • 75.3 (W) x 45 (D) x 33.8 (H) mm	

Iconia B1-850 Specifications (v4-0-4)

	• 75 g, without DC cable • AC power plug is interchangeable **Battery** • 17.5 Wh 4600 mAh 3.8 V 1-cell Li-ion battery pack (for models with HD Panel) Battery life: Up to 9 hours (based on video playback test results)	10
Input and control	**Control Keys** • Power button • Volume up, volume down	
Input and output	• 3.5 mm headphone/speaker jack, supporting headsets with built-in microphone • USB 1x Micro USB 2.0 Type B, supports OTG • microSD card up to 128 GB (SDXC compatible, exFAT compatible)	
Sensors	• Accelerometer (G-sensor)	
System compliance	• RoHS compliance • WEEE compliance • SMT green process	
Options and accessories	• Micro USB 2.0 to USB 2.0 cable • 2-pin 10 W AC adapter	
Warranty	One-year International Travelers Warranty (ITW)	
Others	**Android SW** • Iconia Suite including EZ Tasking, EZ Note, EZ Snap, EZ WakeUp, and EZ Gadget	

1. Specifications vary depending on model.
2. Weight may vary depending on product configuration, vendor components, manufacturing variability, and selected options.
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. A 64-bit operating system is required to enjoy the ultimate performance of 4 GB or higher memory.
6. All brands and product names mentioned herein include trademarks of their respective companies and are used solely to describe or identify the products.
7. 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.
8. Actual throughput may vary depending on network conditions and environmental factors such as network traffic or overhead, building construction and access point settings.
9. Subject to availability.
10. The listed battery life is obtained by simulating watching video clips stored on the mobile device. 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 purposes only. Actual battery life varies by model, configuration,

Iconia B1-850 Specifications (v4-0-4)

applications, power management settings, operating conditions, video clip format, and features used. A battery's maximum capacity decreases with time and use.

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.

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.

About Acer

Established in 1976, Acer is a *hardware + software + services* company dedicated to the research, design, marketing, sale, and support of innovative products that enhance people's lives. Acer's product offerings include PCs, displays, projectors, servers, tablets, smartphones, and wearables. The company is also developing cloud solutions to bring together the Internet of Things. Acer employs 7,000 people and ranks No. 4 for total PCs globally (IDC 2014). Revenues for 2014 reached US$10.39 billion. Please visit www.acer.com for more information.

Appendix

v4-0-4 (Ver. 2)

Input and output