



# SOCKETSCAN® S850

## Thin, Small & Light - Great for one-handed solutions

The Socket Mobile S850 is a fast-scanning 2D imager barcode scanner with Bluetooth® wireless technology. Small, thin and easy to use, the scanner is optimized for attaching to mobile devices, enabling one-handed operation. The S850 can scan barcodes printed on labels or displayed on device screens. It reads all the most popular 2D barcodes and is perfect for retail point of sale, inventory management, sales order entry, field service, and other mobile business applications.

Approximately the same size as a credit card, measuring less than ½ inch (1.27cm) thick and weighing less than two ounces, the S850 is one of the smallest and lightest barcode scanners available in the market today. The S850 slips neatly into your pocket and fits comfortably in the palm of your hand when attached to a smartphone.



Bluetooth®

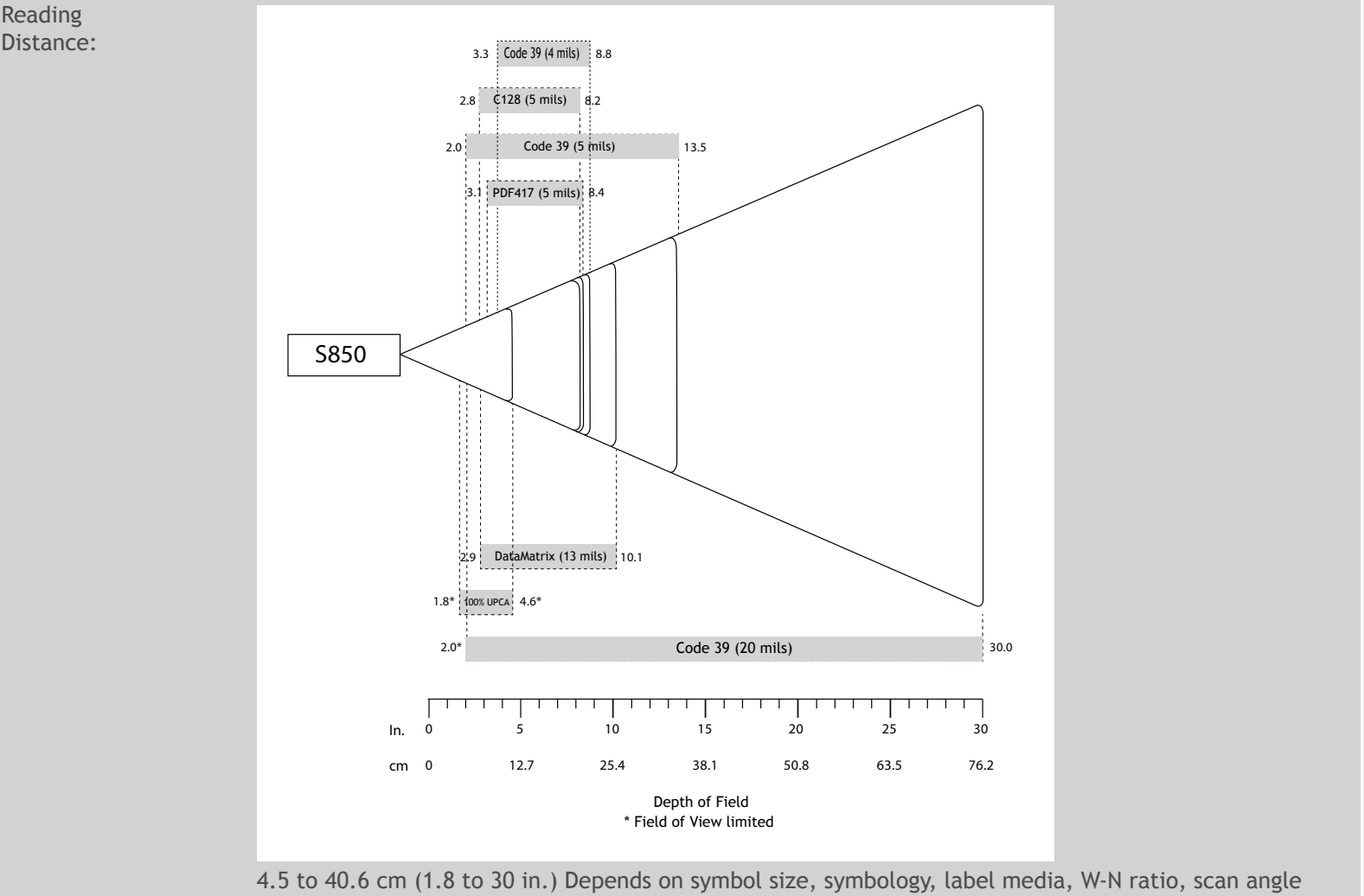
Certified by Apple® for iOS devices (iPad®, iPhone®, iPod Touch® devices) and compatible with Android and Windows®



## Features

- **Bluetooth Wireless Technology** - Connects easily to a wide range of Bluetooth enabled smartphones, tablets, notebook and desktop computers
- **Certified by Apple® for iOS devices** - Guaranteed Compatibility - With our SDK integrated in over 700+ applications, Socket Mobile scanners are one of the most natively integrated scanners available today and are 100% compatible with any application out-of-the-box in HID (keyboard emulation) mode.
- **Compatible with all Android and Windows devices and applications**
- **Scanning** - Fast 2D & 1D, omni-directional, barcode scanning with highly visible and safe LED aimer
- **LED Aimer** - Bright, rectangular illumination field with LED dot for precise aiming
- **Size & Weight** - Measuring less than ½ inch (1.27cm) thick and weighing less than two ounces (48g)
- **User Feedback** - With audible tones, hand pulsation and Bluetooth indicators
- **Long-Lasting Battery** - Power to last over 16 hours
- **One-Handed Operation** - Attachable clip included
- **Protective Material** - Made with antimicrobial material for protection against potentially harmful bacteria
- **Application Integration** - Socket Mobile's Capture SDK enables easy integration in your applications to improve business productivity with fast, efficient and reliable data transfer over Bluetooth wireless technology
- **Accessories** - DuraCase, lanyard and wrist strap available (sold separately)
- **Designed and Assembled in the USA**
- **Developer Support Available**
- **1-Year Warranty**

Default Barcode Symbologies:	AUSTRALIAN POSTAL,AZTEC CODE,BOOKLAND EAN,CODE 39,CODE 128,DATA MATRIX,EAN 8,EAN 13,GS1 128,GS1 DATABAR,GS1 DATABAR EXPANDED STACKED,GS1 DATABAR LIMITED,INTERLEAVED 2 OF 5,ISBT 128,MAXICODE,MICRO QR,QR CODE,UPC A,UPC E (0)
Supported Barcode Symbologies:	<p><b>1D Symbologies:</b> Bookland EAN, Chinese 2 of 5, Codabar, Code 11, Code 39, Code 93, Code 128, Composite CC-A/B, Composite CC-C, Composite TLC, Discrete 2 of 5, EAN-13/JAN, EAN-8/JAN, GS1 Databar, GS1 Databar Expanded, GS1 Databar Limited, GS1-128, Interleaved 2 of 5, ISBT 128, ISSN EAN, Matrix 2 of 5, MSI, UPC/EAN/JAN, UPC A, UPC EO</p> <p><b>2D Symbologies:</b> Aztez, Data Matrix, Maxicode, Micro PDF417, MicroQR, PDF417, QR Code</p> <p><b>Postal Codes:</b> Australia Post, Han Xin, Japan Postal, KIX Code, Maxicode, Netherlands, UPU FICS Posta, US Planet, US Postnet, USPS 4CB/One Code/Intelligent Mail</p>
Scan Angle:	Horizontal: 42° Vertical: 28°
Sensor Resolution:	1280 x 800 pixels
Print Contrast:	Down to 25%



4.5 to 40.6 cm (1.8 to 30 in.) Depends on symbol size, symbology, label media, W-N ratio, scan angle

Technology:	2D/1D Barcode Linear Imager
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Battery:	Lithium ion rechargeable battery
Charge Time:	4 Hours
Battery Life: Per Full Charge:	<b>Standby time:</b> 25 hours <b>Active Scan Time:</b> 34,000 scans within 3 hours (based on 2 scans every 1 second) or 9,000 scans within 10 hours (based on 1 scan every 4 seconds)
Note:	Battery life varies depending on ambient temperature, ambient light, age of battery, etc.

## BLUETOOTH (WIRELESS CONNECTION)

Bluetooth Radio:	Class 2 Bluetooth, version 2.1 + EDR (Enhanced Data Rates) with 56-bit data encryption
Bluetooth Range:	Up to 10 m (33 ft.) depending on environment, range limit is usually due to the Host Device (phone, tablet or notebook)
Bluetooth Profiles:	Basic Mode - Human Interface Device (HID)*, Application Mode - Serial Port Profile (SPP) and Application Mode - MFi-SPP. Some Operating Systems or smartphone/tablet models may support only one profile. <i>*By default, the scanner is set to Basic Mode (HID).</i>

## PHYSICAL CHARACTERISTICS

Dimensions:	3.42 (L) x 2.12 (W) x .52 (H) in (86.9 x 53.94 x 13.43 mm)
Weight/Mass:	1.7 oz (48 g)
LEDs:	Scan LED: Green and Red Bluetooth LED: Blue
Buttons:	Scan Button: Scan Power Button: On/Off

## USER ENVIRONMENT

Ambient Light:	From 0 to 100,000 lux From pitch black to direct sun light
Operating Temperature:	+32 to +122 °F (0 to +50 °C)
Storage Temperature:	-22 to +158 °F (-30 to +70 °C)
Relative Humidity:	5% to 95% (non condensing)
Sealing:	IP40
Drop Specifications:	Multiple 3.3 ft. drops to vinyl covered concrete

## OPERATING SYSTEM COMPATIBILITY

Android OS: Basic Mode (HID)* & Application Mode (SPP)	Mac OS: Basic Mode (HID)* only
Apple iOS: Basic Mode (HID)* & Application Mode (MFi-SPP)	Windows: 10, 8, and 7: Basic Mode (HID)* & Application Mode (SPP)
Compatible with devices supporting Basic Mode (HID)* protocol	
<i>*By default the scanner is in Basic Mode (HID).</i>	

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iOS



OS X



Electrical Safety:	Certified to IEC 60950-1, UL 60950-1, CAN/CSA C22.2
Environmental:	RoHS
EMI / RFI:	FCC Part 15 Class C, RSS 210, iCES 003, C-Tick, CISPR 22, CE EN55022, EN55024, TELEC
LED Safety:	IEC 60825-1, EN 60825-1



## WARRANTY

Scanner:	Standard one year limited warranty
Accessories:	90 days
Extended Warranty: (sold separately)	<a href="http://www.socketmobile.com/socketcare">www.socketmobile.com/socketcare</a>



## COMMON USES

Retail	Hospitality	Point of Sale
Logistics	Life Sciences	Automotive
Healthcare		

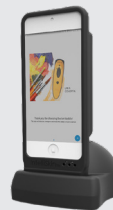
## SINGLE PACKAGE INCLUDES - SKU# CX3343-1577

- (1) SocketScan S850, 2D/1D Imager Barcode Scanner
- (1) Micro USB Charging Cable
- (1) Universal Klip Case



## OPTIONAL ACCESSORIES

- DuraCase & Charging Dock:**
- Apple® iPod touch® for 5<sup>th</sup> & 6<sup>th</sup> generation: SKU# AC4094-1670
  - Samsung J3/J5: SKU# AC4118-1785
  - Samsung Galaxy S7: SKU# AC4125-1792



- DuraCase Only:**
- Apple® iPod touch® for 5<sup>th</sup> & 6<sup>th</sup> generation: SKU# AC4092-1668
  - Samsung J3/J5: SKU# AC4117-1784
  - Samsung Galaxy S7: SKU# AC4124-1791



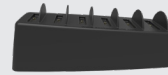
- DuraCase Charging Dock**



## DuraCase Charging Adapter



## DuraCase 6 Multi-Bay Charger



**Due to varying countries' outlets, the DuraCase 6 Multi-Bay Charger power cords are NOT included in the package.**

## DuraCase 6 Multi-Bay Charger AC Power Cord



## Klip Case:

iPhone SE/5/5s: SKU# AC4066-1500

iPhone 5c: SKU# AC4078-1540

iPod touch(5th generation): SKU# AC4067-1501

Samsung Galaxy S4: SKU# AC4068-1502



## AC Power Supplies



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