



S850 DATASHEET

SOCKETSCAN™

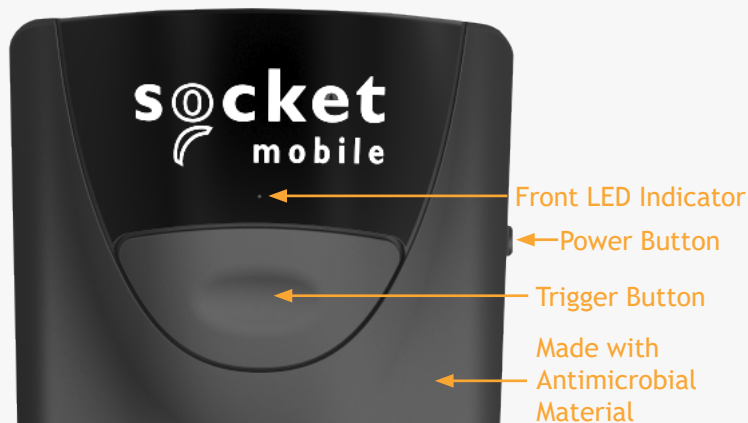
Thin, Small & Light - Great for one-handed solutions

The Socket Mobile S850 is a compact, yet high-performing, 2D/1D Bluetooth barcode scanner, attachable to most smartphones. This little scanner enables one-handed professional barcode scanning printed on labels or displayed on device screens. The S850 is suited for mobile ticketing and high-end retail environments where 2D barcodes are gaining popularity for security and data capacity.

Approximately the same size as a credit card, measuring less than ½ inch (1.27cm) thick and weighing less than two ounces (48g), the S850 is one of the smallest and lightest 2D barcode scanners available in the market. The S850 slips neatly into your pocket, fitting comfortably in the palm of your hand when attached to a smartphone. You can add a lanyard or belt clip (sold separately) for a wearable solution to make the S850 accessible at any time.



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



Features

- Certified by Apple® for iOS devices - Guaranteed Compatibility
- Scanner reads 2D & 1D barcodes printed on labels or displayed on device screens
- Small, sharp aiming light to focus on one distinct barcode
- Easy to use - scans barcodes in any direction to capture barcodes fast
- Scans near or far, capturing barcodes up to 30" away
- Wide field of view for close-up scanning of large barcodes or multiple barcodes
- Connects easily to a wide range of Bluetooth enabled smartphones, tablets, notebook and desktop computers.
- Battery Friendly® technology enables battery to last full work shift
- Made with antimicrobial material for protection against potentially harmful germs
- Sealing - Protection rating of IP40
- Includes a Universal Klip Case for a one-handed scanning solution
- No software installation required - use Bluetooth Basic Mode (HID) to connect like a wireless keyboard
- Advanced functionality and scanner configuration supported in Bluetooth Application Mode (SPP) with Socket Mobile's SDK
- Warranty: 1 year for Barcode Scanner and 90 days for Accessories - Extended warranty available

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:

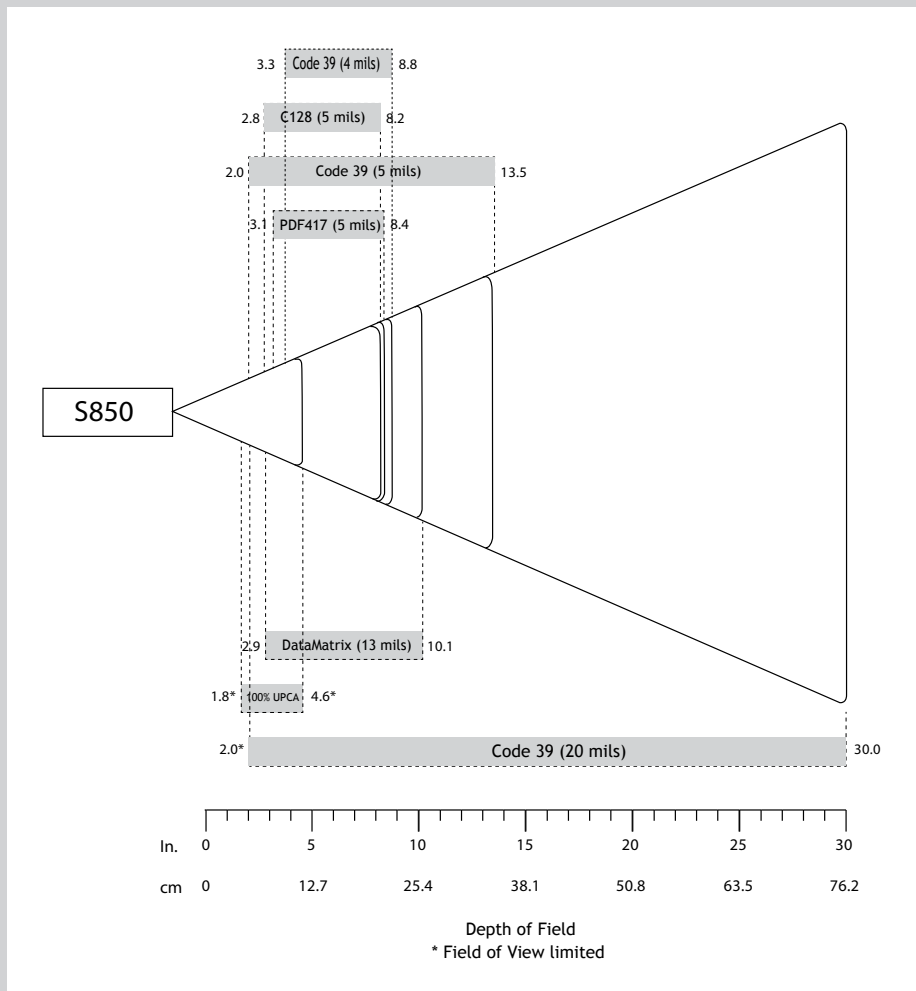
AUSTRALIAN POSTAL, AZTEC CODE, BOOKLAND EAN, BPO 4 STATE, BRITISH ROYAL MAIL (BPO), UK POSTAL, CANADA POST, CHINA POST, CHINESE 2 OF 5, Codabar, CODE 11, CODE 32, CODE 39, CODE 39 ASCII (EXTENDED), CODE 39 Trioptic, CODE 93, CODE 128, COMPOSITE CC-C, COMPOSITE TLC-39, DATA MATRIX, DISCRETE 2 OF 5, DUTCH POSTAL, EAN 8, EAN 13, EAN 128, EAN 128 + COMPOSITE, EAN-UCC 128, EAN-UCC COMPOSITE (A,B), EAN-UCC COMPOSITE (C), GS1 128, GS1 128 IRREGULAR, GS1 COMPOSITE CC-A/CC-B, GS1 COMPOSITE CC-C, GS1 DATABAR, GS1 DATABAR EXPANDED STACKED, GS1 DATABAR EXTENDED, GS1 DATABAR LIMITED, GS1 DATABAR OMNI DIRECTIONAL, GS1 DATABAR STACKED 00012345678905, GS1 DATABAR STACKED OMNI, DIRECTIONAL, HAN XIN, IATA 2 OF 5, INTERLEAVED 2 OF 5, INFOMAIL, INVERSE 1D, ISBT 128, JAPAN POSTAL, KOREAN 3 OF 5, NETHERLANDS KIX CODE, MATRIX 2 OF 5, MAXICODE, MICRO QR, MSI, OCR-A, PDF 417, PDF417MICRO, PLANET, PLESSEY, POSTNET, QR CODE, RSS EXPANDED STACKED (01)98898765432106(3202)012345(15)991231, RSS EXPANDED (01)98898765432106(3202)012345(15)991231, RSS-14, STANDARD 2 OF 5, STRAIGHT 2 OF 5 IATA, STRAIGHT 2 OF 5 INDUSTRIAL, SWEDEN POST, TLC 39, UCC COUPON, UPC A, UPC E (0), UPC E1, UPU FICS POSTAL, US POSTNET, USPS 4CB/ONE CODE/INTELLIGENT MAIL, USPS PLANET

Scan Angle: Horizontal: 42° Vertical: 28°

Sensor Resolution: 1280 x 800 pixels

Print Contrast: Down to 254

Reading Distance:



4.8 to 40.6 cm (1.9 to 16 in.) Depends on symbol size, symbology, label media, W-N ratio, scan angle

Battery:	Lithium ion rechargeable battery
Charge Time:	4 Hours
Battery Life:	Standby time: 10 hours
Per Full Charge:	Active Scan Time: 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)
	<i>Note: Battery life varies depending on ambient temperature, ambient light, age of battery, etc.</i>

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:	Trigger 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	Windows Mobile, Embedded Handheld: Basic Mode (HID)* & Application Mode (SPP)
<i>*By default the scanner is in Basic Mode (HID).</i>	

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






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)	www.socketmobile.com/socketcare	

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 5th & 6th generation: SKU# AC4094-1670
 Samsung J3/J5: SKU# AC4118-1785
 Samsung Galaxy S7: SKU# AC4125-1792



- DuraCase Only:**
 Apple® iPod touch® for 5th & 6th 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



socketmobile.com

sales@socketmobile.com

UK/Ireland/South Africa: +44 7787 112109

Toll-Free: +1 800 552 3300 (USA/Canada)

EMEA & Russia: +41 62 834 0780

France: +33 970 462 241

Switzerland: +41 62 834 07 80

Asia Pacific: +1 510 933 3122

Japan: +8190 9808 0518

Germany: +49 9401 5299 052

Latin America: +1 510 933 3153