# socket mobile

# SocketScan® S860

| 2D/1D Imager | Passport Reader | OCR-A / OCR-B / MICR E13B |
|---|---|---|

**OCR-A** 1234ABCD   **OCR-B** 1234ABCD   **MICR E-13B** 123456

## Ultimate Barcode Scanner and Passport Reader

The Socket Mobile S860 is a fast 2D barcode scanner and passport reader with Bluetooth® wireless technology. The scanner virtually captures any 1D/2D barcodes in milliseconds. Small, thin and easy to use, the scanner is optimized for attaching to mobile devices, enabling one-handed operation. Merchants can scan barcodes of products and the passports of consumers with one scanner. Scanning barcodes printed on labels or displayed on device screens, it reads all the most popular 2D barcodes and MRZ/passports, perfect for the travel industry 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 S860 is one of the smallest and lightest barcode scanners and passport readers available in the market today. The S860 slips neatly into your pocket and fits comfortably in the palm of your hand when attached to a smartphone or other mobile device.

For the most reliable and consistent performance, please verify with your application provider that Socket Mobile's latest Capture SDK was implemented in your app.
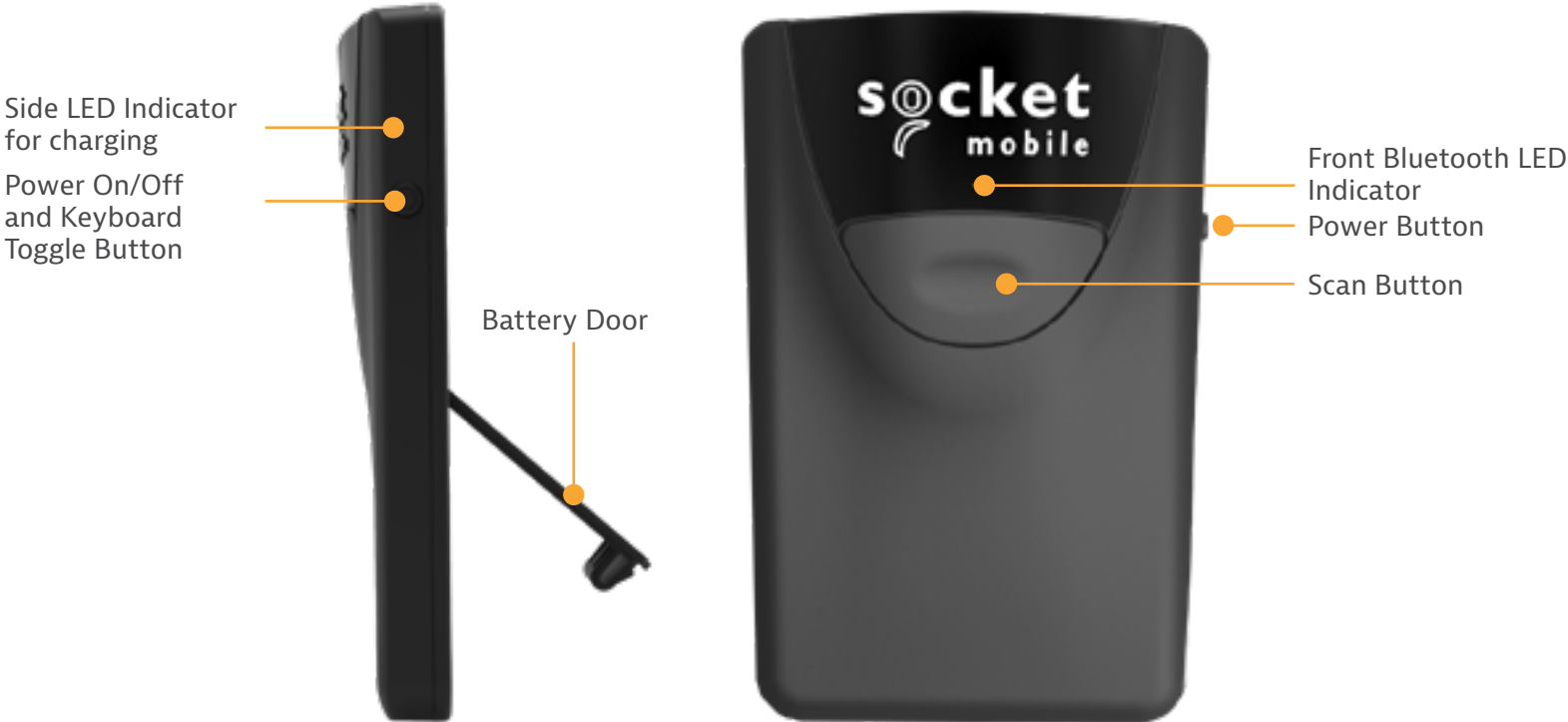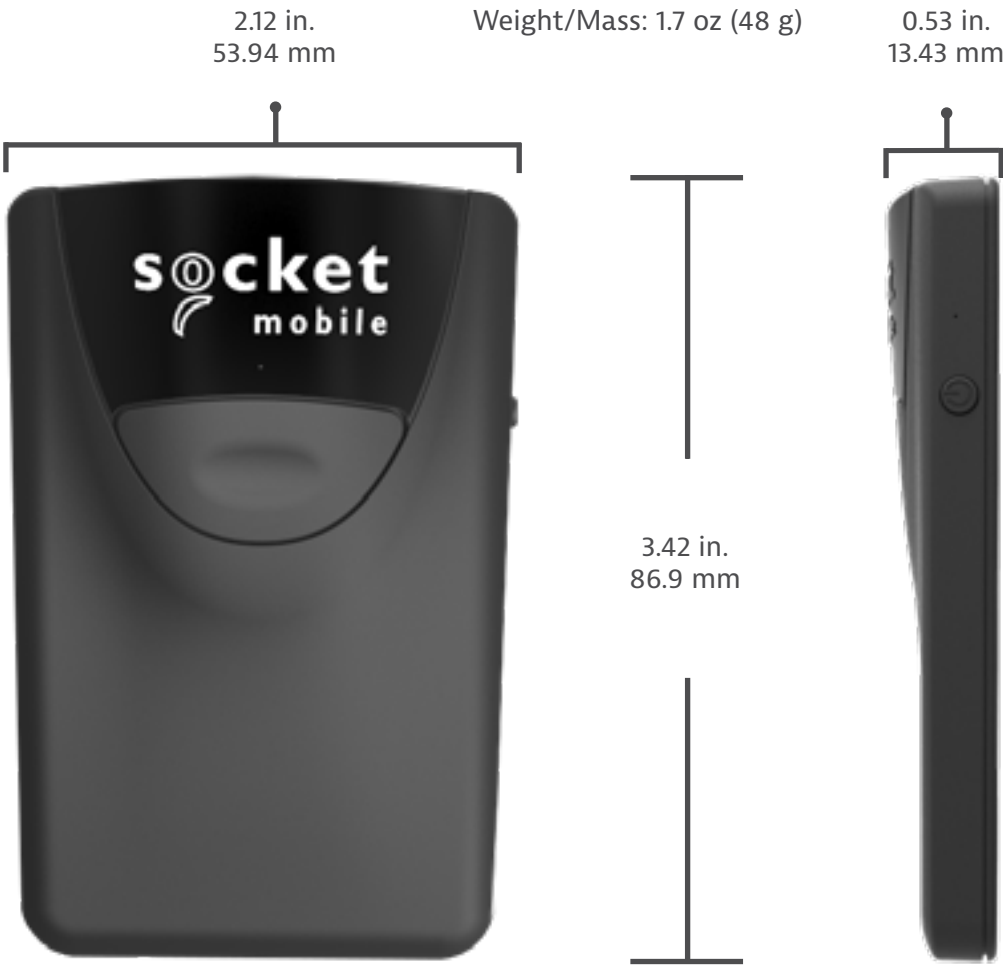
The S860 is designed to be software compatible with all applications. Updates on operating systems may alter the devices' performance.

Made for iPod iPhone iPad   Android   Windows   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 Capture SDK integrated in over 700+ applications, Socket Mobile scanners are one of the most natively integrated scanners available today.
- **Scanning** – Fast 2D/1D barcode scanning with highly visible and safe LED aimer and omni-directional ability, allowing intuitive rapid scanning. Scans OCR A&B fonts, OCR USC, OCR passport and OCR MICR (E13B) fonts.
- **Decoding Ability -** Reads damaged and poorly printed barcodes.
- **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, vibrations and Bluetooth indicators
- **Long-Lasting Battery** - Power to last a full work day, up to 10 hours
- **One-Handed Operation** – Attachable clip included
- **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** - Klip is included. Protective sleeve and Sled case for specific phones available (sold separately)
- **Designed and Assembled in the USA**
- **Developer Support Available -** The Capture SDK is available with subscription
- **1-Year Warranty**

2.12 in.
53.94 mm

Weight/Mass: 1.7 oz (48 g)

0.53 in.
13.43 mm

3.42 in.
86.9 mm

Side LED Indicator
for charging

Power On/Off
and Keyboard
Toggle Button

Battery Door

Front Bluetooth LED
Indicator

Power Button

Scan Button

(1) S860, 2D/1D Imager Barcode Scanner
    and Passport Reader (battery installed)
(1) Micro USB Charging Cable
(1) Universal Klip Case
(1) Get Started Insert
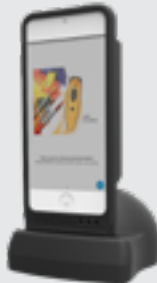
**Socket Mobile Companion
Download for easy setup!**

# Optional Accessories

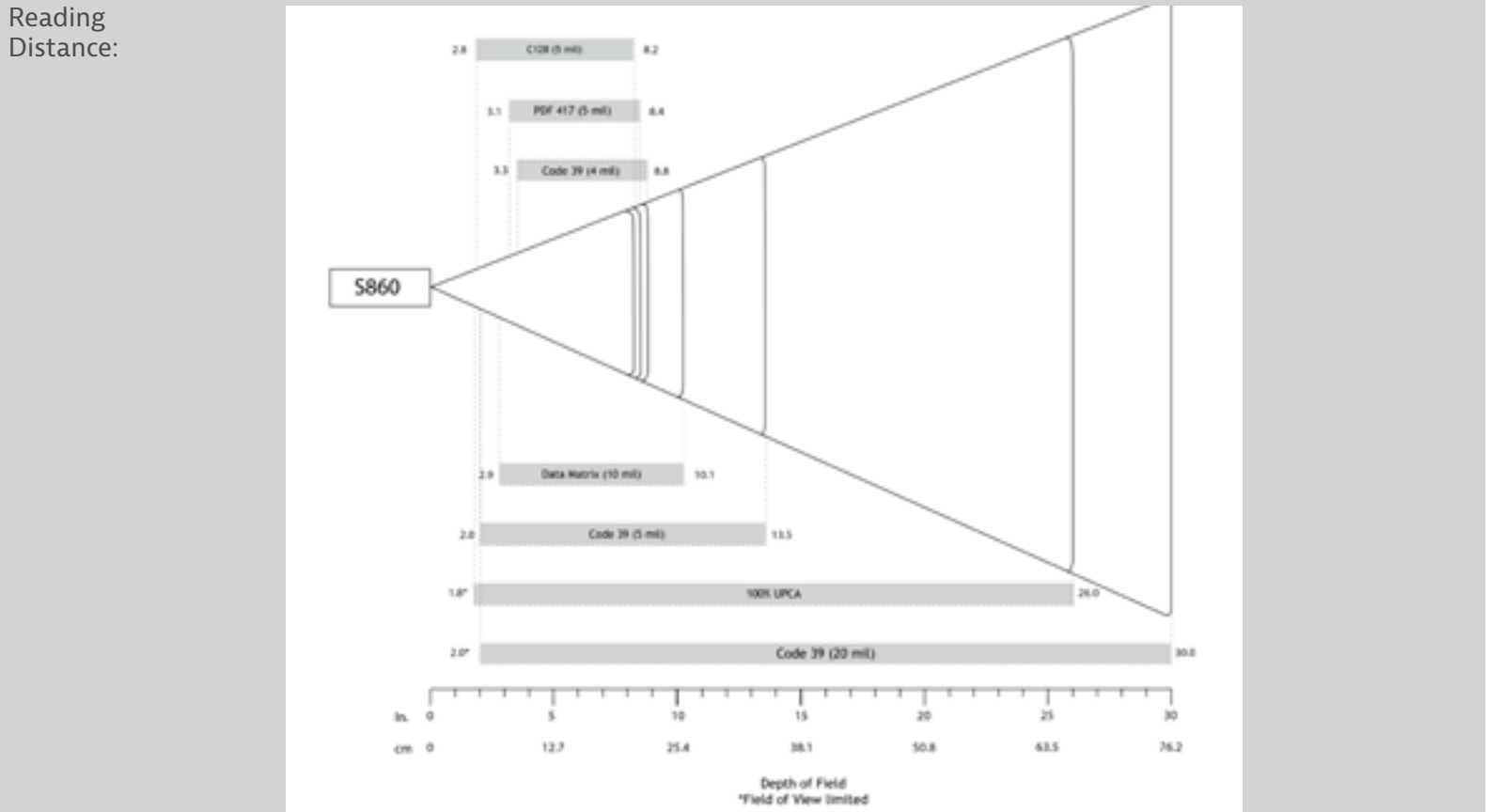| DuraSled - Only | DuraSled & Charging Dock | Holster |
| --- | --- | --- |
| Apple iPod touch & iPhone 6,7,8, 10, 11, 12 series phones Samsung Galaxy J2/J3/J5, S7, XCover Pro Phones | Apple iPod touch & iPhone 6,7,8, 10, 11, 12 series phones Samsung Galaxy J2/J3/J5, S7, XCover Pro Phones | |
| DuraSled Charging Adapter | DuraSled Charging Dock | DuraSled 6 Multi-Bay Charger |
| DuraSled 6 Multi-Bay Charger AC Power Cord | Klip Cases iPhone SE/5/5s iPhone 5c iPod touch(5th generation) Samsung Galaxy S4 | Wrist Strap |

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|---|---|
| Technology: | 2D/1D Barcode Imager & OCR character reader |
| Light Source Aimer: | Hyper red 660 NM (nanometer) LED 6/0 NM LED |

## Scanning Performance

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|---|---|
| Default Barcode Symbologies: | **1D Symbologies:** Codabar, Code 39, Code 93, Code 128, EAN-13/JAN, EAN-8/JAN, GS1 Databar, GS1 Databar Expanded, GS1 Databar Limited, GS1-128, Interleaved 2 of 5, ISBT 128, UPC A, UPC EO<br><br>**2D Symbologies:** Aztec, Data Matrix, Maxicode, Micro PDF417, PDF417<br><br>**Postal Codes:** Australia Post<br><br>**OCR Type Face:** OCR B ICAO Travel Documents |
| Supported Barcode Symbologies: | **1D Symbologies:** 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<br><br>**2D Symbologies:** Aztec, Data Matrix, Maxicode, Micro PDF417, MicroQR, PDF417, QR Code<br><br>**Postal Codes:** Australia Post, Han Xin, Japan Postal, KIX Code, Maxicode, Netherlands, UPU FICS Posta, US Planet, US Postnet, USPS 4CB/One Code/Intelligent Mail<br><br>**OCR Type Face:** OCR-A, OCR-B, MICR-BBB, US currency serial number<br><br>**Watermark Symbology:** Digimarc |
| Scan Angle: | Horizontal: 42° Vertical: 28° |
| Sensor Resolution: | 1280 x 800 pixels |
| Print Contrast: | Down to 25% |
| Reading Distance: | <br>4.6 to 76.2 cm (1.8 to 30.0 in.) Depends on barcode size, symbology, label media, ratio, scan angle |

Depth of Field
*Field of View limited

| Decode Ranges: | | Near | Far |
|---|---|---|---|
| | 4 mil Code 39 | 3.3 in/8.4 cm | 8.8 in/22.4 cm |
| | 5 mil Code 128 | 2.8 in/7.1 cm | 8.2 in/20.8 cm |
| | 5 mil Code 39 | 2.0 in/5.08 cm | 13.5 in/34.3 cm |
| | 5 mil PDF | 3.1 in/7.9cm | 8.4 in/21.3 cm |
| | 10 mil Data Matrix | 2.9 in/7.4 cm | 10.1 in/25.7 cm |
| | 100% UPC A | 1.8 in/4.6 cm* | 26.0 in/66.0 cm |
| | 20 mil Code 39 | 2.0 in/5.08 cm* | 30.0 in/76.2 cm |

# Battery

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|---|---|
| Type of Battery: | Lithium Ion Polymer- rechargeable battery |
| Charge Time: | 4 Hours |
| Battery Life - Per Full Charge: | Standby time: 25 hours<br>Active Scan Time - 34,000 scans within 3 hours (based on 2 scans every 1 second)<br>9,000 scans within 10 hours (based on 1 scan every 4 seconds) |
| Note: | Battery life varies depending on ambient temperature, ambient light and age of battery. *For more battery information* click here. |
| Number of Batteries Used: | 1 |
| Weight of battery: | 12.5g |
| Percentage Lithium: | 36% |
| Battery mAh: | 700 mAh |
| Number of cells per battery: | 1 |
| Watt Hours per battery: | 2.59 |
| Type of Cell ( ex. AA): | Proprietary |
| Chemical Composition (ex. Alkaline): | Lithium - polymer |
| Lithium Content: | 14g |
| Battery Voltage: | 3.7v |
| Hazmat UN Number: | UN3481, P.I. 967 |
| ROHS Compliance Indicator: | Yes, Included with Scanner |
| Country of Origin: | China |
| Commodity Code: | 8507.60.0000 |

# Warranty

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| Scanner: | Standard one year limited warranty |
| Accessories: | 90 days |
| Extended Warranty: (sold separately) | www.socketmobile.com/socketcare |

SocketCare

# Bluetooth (wireless connection)

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|---|---|
| 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 iOS Application Mode*. Some Operating Systems or smartphone/tablet models may support only one profile.<br>*By default, the scanner is set to iOS Application Mode.* |

Apple, Android and Windows PC with Bluetooth Classic HID are compatible with all Socket Mobile scanners.
*Chromebook and Linux supports HID mode only.

# User Environment

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| Ambient Light: | From 0 to 100,000 lux<br>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 drops to vinyl covered concrete at 3 feet or 1 meter |

# Operating System Compatibility

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|---|---|
| Android OS: Basic Mode (HID) & Application Mode (SPP) | Mac OS: Basic Mode (HID) only |
| Apple iOS: Basic Mode (HID) & iOS Application Mode* | Windows: 10, 8, and 7: Basic Mode (HID) & Application Mode (SPP) |
| Compatible with devices supporting Basic Mode (HID) protocol | |
| *By default, the factory settings of the Socket Mobile Scanners are set to iOS Application Mode.* | Supported Language Setting in Basic Mode (HID): ANSI, English UK, English, French, German, Italian, Japanese, Polish, Spanish and Swedish |

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



# Certification & Regulatory

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|---|---|
| Bluetooth SIG: | Declaration ID: D030473   QDID: 82009 |
| Electrical Safety: | Certified to IEC 60950-1, UL 60950-1, CAN/CSA C22.2 |
| Environmental: | RoHS EN 50581 |
| EMI / RFI: | FCC Part 15 Class C, RSS 210, iCES 003, C-Tick, CISPR 22, CE EN55022, EN55024, TELEC |
| LED Safety: | IEC/EN 62471 (Exempt Group)<br>FCC ID: LUBMA41<br>IC ID: 2529A-MA41S8<br>Telec ID: R 201-125709 |
| ISO 9001 Accreditation |  |



# Common Uses

| | | |
|---|---|---|
| Retail | Hospitality | Point of Sale |
| Logistics | Life Sciences | Automotive |
| Healthcare | Travel | |

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