

SocketScan® S820

Linear Barcode Plus QR Code Scanner

The Socket Mobile S820 is a 1D/2D linear barcode & QR Code barcode reader with Bluetooth wireless technology. Small, thin and easy to use, the reader is optimized for attaching to mobile devices, enabling one-handed operation. The S820 can scan barcodes printed on labels or displayed on device screens. It reads the most popular 2D/1D 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 S820 is one of the smallest and lightest high quality barcode reader available in the market today. The S820 slips neatly into your pocket and fits comfortably in the palm of your hand when attached to a smartphone. It is compatible with all applications used with other Socket Mobile readers with "NO" software update required.



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

Features

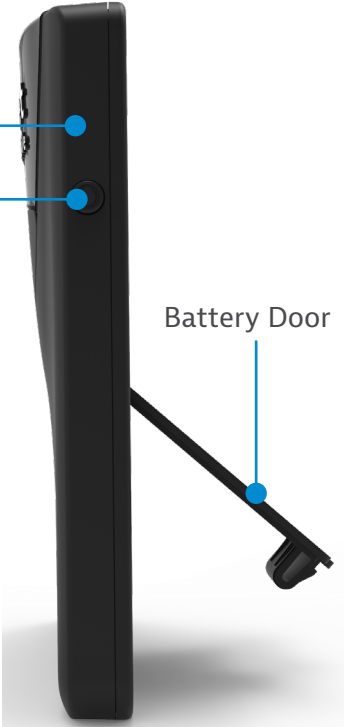
- **Compatible** - with Apple® iOS devices (iPad®, iPhone®, iPod Touch®) and Android, Windows®, Mac and Linux.
- **Certified by Apple® for iOS devices** – Guaranteed Compatibility - With Capture SDK integrated in over 700+ applications, Socket Mobile readers are one of the most natively integrated readers available today.
- **Bluetooth Wireless Technology** - Connects easily to a wide range of Bluetooth enabled smartphones, tablets, notebooks and desktop computers.
- **Scanning** – Fast 2D & 1D, omni-directional, barcode scanning with highly visible and safe aimer.
- **Decoding Ability** - Reads damaged and poorly printed barcodes.
- **Size & Weight** – Measuring less than ½ inch (1.27cm) thick and weighing less than two ounces (48g).
- **User Feedback** - With audible tones, vibration and Bluetooth connection indicators.
- **Long-Lasting, Replaceable, Rechargeable Battery** - Power to last a full work day.
- **One-Handed Operation** – Attachable clip included.
- **Native App Support** – Socket Mobile's CaptureSDK enables easy native app integration in your applications to improve business productivity.
- **Accessories** - Klip included. Protective sleeve and Sled which fits specific phones are available (sold separately).
- **Developer Support Available** - The Socket Mobile development team is available to help integrate CaptureSDK into your app.
- **Designed and Assembled in the USA.**
- **1-Year Warranty** - optional extended warranty available.

PHYSICAL CHARACTERISTICS



Side LED Indicator
for charging

Power On/Off
and Keyboard
Toggle Button



socket
mobile

Front Bluetooth LED
Indicator

Power Button

Scan Button



SINGLE PACKAGE INCLUDES - SKU# CX4039-3102

- (1) SocketScan S820, 2D/1D Barcode Reader (battery installed)
- (1) Micro USB Charging Cable
- (1) Universal Klip
- (1) Get Started insert



**Socket Mobile
Companion App
Download for easy setup!**

OPTIONAL ACCESSORIES

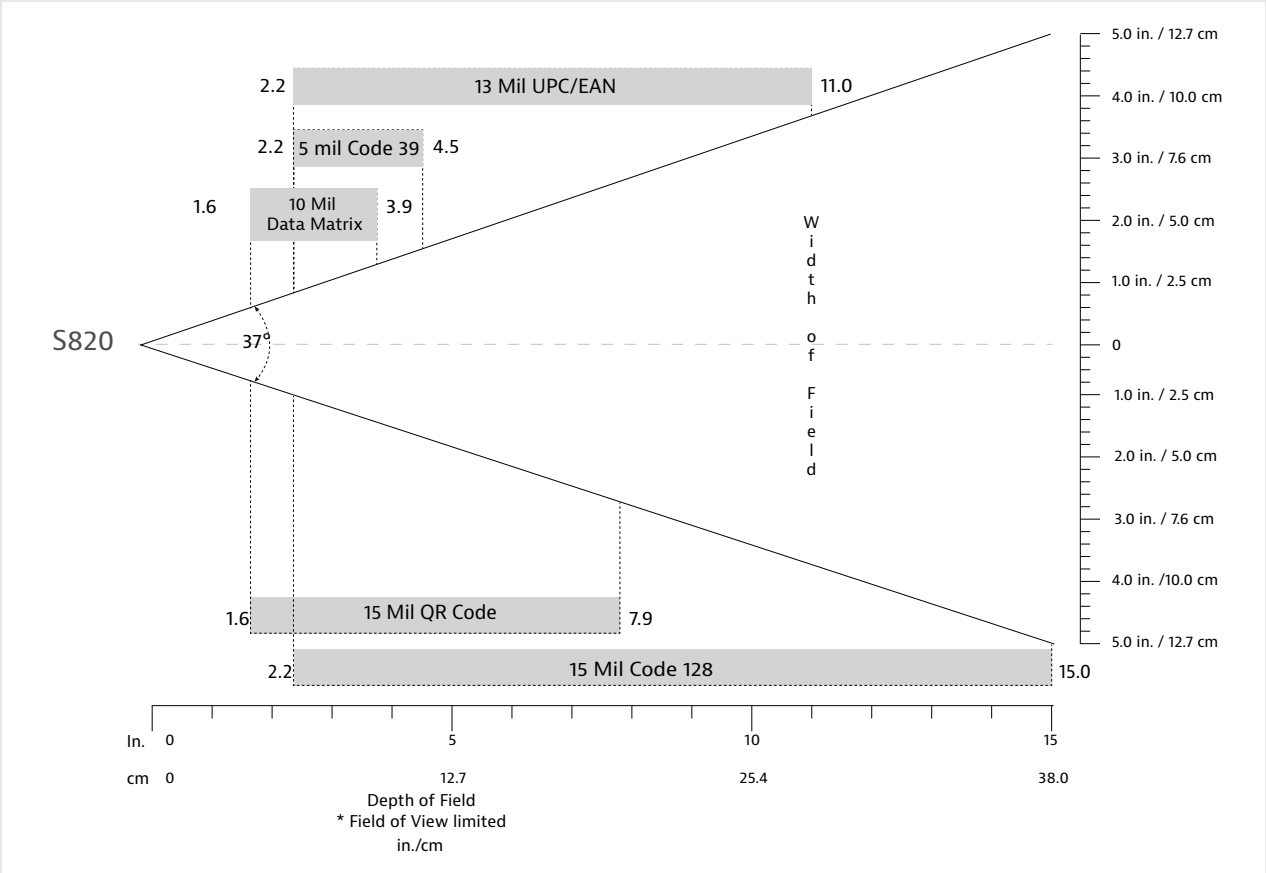
Klip & FlexGuard for 800 Series



Wrist Strap



Default Barcode Symbologies:	1D Symbologies: Codabar, Code 39, Code 93, Code 128, EAN-13, EAN-8, Interleaved 2 of 5, ISBT 128, UPC A, UPC E1
	2D Symbologies: Data Matrix, Micro QR Code, PDF417, QR Code
Supported Barcode Symbologies:	1D Symbologies: Chinese 2 of 5, Codabar, Code 11, Code 16KCode 39, Code 93, Code 128, Discrete 2 of 5, EAN-13, EAN-8, GS1 Databar, Industrial 2 of 5, Interleaved 2 of 5, Matrix 2 of 5, MSI Plessey, UPC A, UPC E1, Standard 2 of 5, UK Plessey
	2D Symbologies: Aztec, Data Matrix, Han Xin, Micro PDF417, Micro QR Code, PDF417, QR Code
Scan Angle:	44.5° (Horizontal) - 33.5° (Vertical)
Sensor Resolution:	1280 horizontal x 960 vertical pixels
Print Contrast:	Down to 25%
Reading Distance:	4.0 to 38.0 cm (1.6 to 15 in.) Depends on barcode size, symbology, label media



Decode Ranges	Near	Far
5 mil Code 39	2.2 in/5.5 cm	4.5 in/11.5 cm
10 mil DataMatrix	1.6 in/4.0 cm	3.9 inc/10.0 cm
13 Mil UPC/EAN	2.2 in/5.5 cm	11.0 in/28.0 cm
15 Mil Code 128	2.2 in/5.5 cm	15.0 in/38.0 cm
15 mil QR Code	1.6 in/4.0 cm	7.9 inc/20.0 cm

Technology:	2D/1D Barcode Imager
Light Source:	LED
Aimer:	Red

BATTERY

Type of Battery:	Replaceable Lithium Ion Polymer- rechargeable battery
Charge Time:	8 Hours
Battery Life - Per Full Charge:	Standby time: 25 hours Active Scan Time - 34,000 scans within 3 hours (based on 2 scans every 1 second) 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. <i>For more battery information click here.</i>
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 Reader
Battery only - Country of Origin:	China
Commodity Code:	8507.60.0000

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

Apple, Android and Windows PC with Bluetooth Classic HID are compatible with all Socket Mobile readers.

*Chromebook and Linux supports HID mode only.

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 drops to vinyl covered concrete at about 3 ft or 1 m

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



OPERATING SYSTEM COMPATIBILITY

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)

**By default, the factory settings of the Socket Mobile Readers are set to iOS Application Mode. In order to use the reader with an application using Capture SDK, the reader must be configured in Application Mode (Bluetooth Serial Port Profile: SPP)*

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®.

iOS



OS X



CERTIFICATION & REGULATORY

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 FCC ID: LUBMA41 IC ID: 2529A-MA41S8 Telec ID:  201-125709
LED Safety:	IEC/EN 62471 (Exempt Group)

ISO 9001
Accreditation



COMMON USES

Retail	Hospitality	Point of Sale
Logistics	Life Sciences	Automotive
Healthcare	Inventory	Transportation
Warehouse Management	Field Sales & Service	

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