Native support in:

Compatible with: Low Energy | Made for iPhone | iPad | iPod

Reads:

1D BARCODES, 2D BARCODES

SocketScan S721

General-Purpose 1D/2D Barcode Scanner



Great Battery Life | Robust Bluetooth Connectivity | Versatile Scanning Performance

Dependable, low-power scanning built for everyday performance.

The SocketScan S721 delivers fast, accurate 1D and 2D barcode capture with Bluetooth® Low Energy connectivity for effortless pairing, extended battery life, and consistent results throughout the day.

This product uses a Bluetooth LE (Low Energy) connection method that is different from our Bluetooth Classic data readers and **requires a supported software application.** Before purchasing, please confirm your app uses the latest version of Socket Mobile's CaptureSDK or contact us to discuss your requirements.

The SocketScan S721 is a compact, handheld barcode scanner designed for professionals who need reliable data capture. Equipped with Bluetooth LE wireless technology, it connects easily to iOS, Android, and Windows devices while reducing power consumption and maintaining strong, stable connections for uninterrupted productivity. Its long-lasting battery supports extended shifts, and its lightweight, ergonomic design ensures comfort during continuous use.

With a scanning range of 1.1 inches up to 36.1 inches, the S721 easily reads barcodes of various sizes, from small, high-density labels to standard retail barcodes. It reads both printed and digital codes, including PDF417, QR Codes, and Data Matrix, making it ideal for point-of-sale, inventory management, asset tracking, ticketing, and mobile credential applications.

Designed for businesses that value efficiency and dependability, the S721 combines advanced scanning performance with power-saving wireless technology. Whether used at retail counters, in warehouses, or mobile work settings, it delivers fast pairing, minimal downtime, and reliable results all day long.

Available in the following bundles

- **S721 +** Magic Dock – Keep your scanner charged, connected, and ready for immediate use with a dock designed for shared workstation environments. Includes simple scan-to-connect setup for fast deployment.

- **S721 + Charging Dock** – Charge your reader while keeping it available for active use.

Features

- **Multi-Device Compatibility:** Compatible with Apple® iOS devices (iPhone®, iPad®) as well as Android® and Windows® 11.
- **Rapid Scanning:** Fast 1D/2D scanning for both printed and on-screen barcodes, featuring omnidirectional capability for intuitive, rapid scanning.
- **Ergonomic:** Small, light, and fits perfectly in the hand for comfortable use over extended periods.
- **Bluetooth LE Support:** Enables dependable, low-power wireless connectivity for extended battery life and fast pairing through Bluetooth Low Energy.
- **Long-Lasting Battery:** Scanner features rechargeable and field-replaceable battery that lasts a full shift.
- **Intuitive User Indicators:** LED lights that indicate successful data read/write and battery charging status.
- **Audible Feedback:** Multiple feedback tones to indicate successful data read/write and other important action confirmations.
- **Hands-Free Scanning:** Automatically scans barcodes when set to Auto (Presentation) Mode and positioned in a dock or stand.
- **Easy App Integration:** Socket Mobile's CaptureSDK (version 2.0.29 or higher) enables easy integration in your applications to improve business productivity with fast, efficient, and reliable data transfer over Bluetooth wireless technology. Data reader works out of the box for apps that have already integrated CaptureSDK, with support for Bluetooth LE devices.
- **Developer Support:** Our support team is available to assist with set-up and operation.
- **1-Year Warranty Included:** Extended warranty options also available.
- **Designed and Assembled in the USA:** Socket mobile data readers are built at our headquarters in Fremont, CA.

Packaging

Data Reader with Magic Dock

- Data Reader
- Magic Dock (If selected)
- USB-C to USB-C Cable
- Wrist Strap
- Insert

Data Reader with Charging Dock (White)

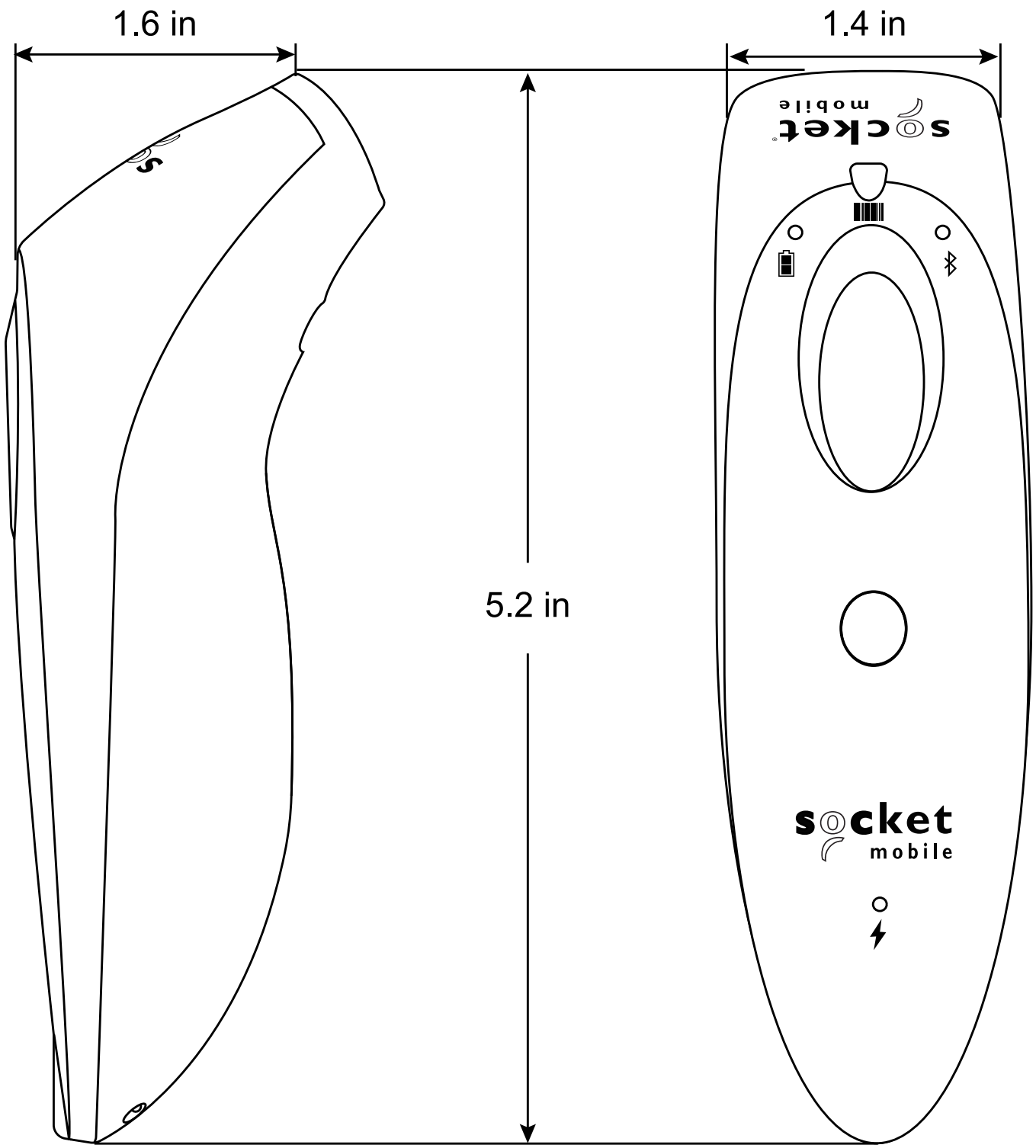
- Data Reader
- Charging Dock (If selected)

- Barrel Jack to USB-A Cable
- Wrist Strap
- Insert

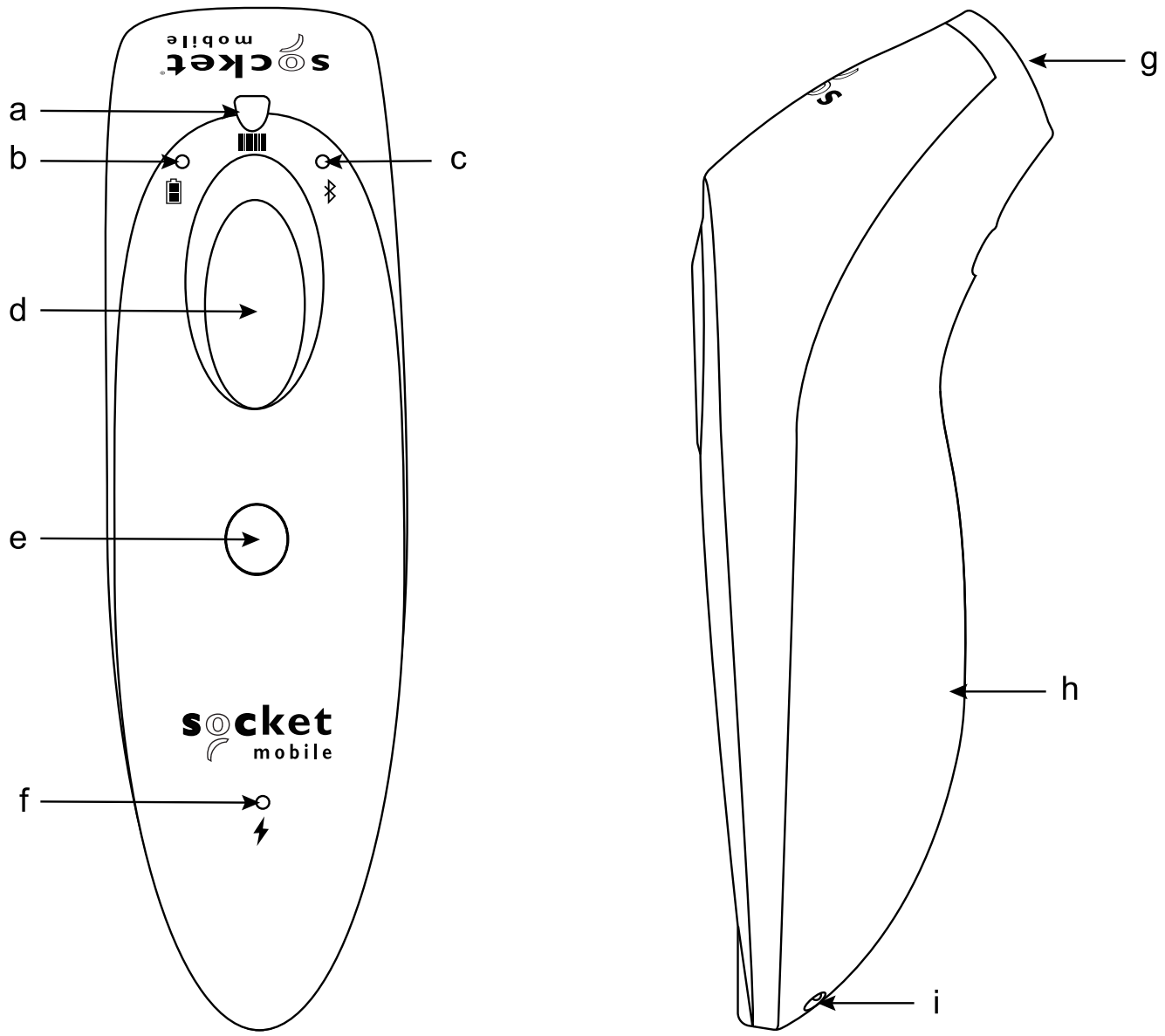
User Environments

Ambient Light	From 0 to 100 000 lux. From pitch black to direct sunlight.
Charging Temperature	Charging in an ambient temperature above 40° C / 100° F may result in charging issues.
Drop Specifications	4 ft. drop to linoleum.
Operating Temperature	0° to 45° C (32° to 113° F)
Relative Humidity	95% at 60° C (140° F) (non-condensing)
Storage Temperature	-40° to 70° C (-40° to 158° F)
Tumble Specification	2,500 cycles at 3.3 ft. (1 m) to a metal plate, IEC6008-2-31, IEC60068-2-32 3.

Dimensions



External Control



a. Barcode LED

b. Battery LED

c. Bluetooth LED

d. Scan button

e. Power button

f. Charge indicator LED

g. Scan window

h. Battery door

i. Pins for Charging Dock/Stand

Operating Systems



Reading Performance

Default Barcode Symbologies	• **1D Symbologies:** Bookland Ean, Codabar, Code 128, Code 39, Code 93, Ean Jan 13, Ean Jan 8, Gs1 Databar Expanded, Gs1 Databar Limited, Gs1 Databar Omnidirectional, Industrial 2 5, Interleaved 2 5, Trioptic, Upc A, Upc E • **2D Symbologies:** Aztec, Data Matrix, Han Xin, Maxicode, Micropdf417, Micro Qr, Pdf417, Qr Learn how to enable and disable data types.
Supported Barcode Symbologies	• **1D Symbologies:** Code 11, Matrix 2 5, Msi Learn how to enable and disable data types.
Reading Distance	2.8 to 91.7 cm (1.1 to 36.1 in.) Depends on barcode size, symbology, label media.

Decode Ranges

	Near	Far
Code 39: 3 mil	3.0 in. / 7.6 cm	5.8 in. / 14.7 cm
Code 128: 5 mil	2.3 in. / 5.8 cm	9.8 in. / 24.9 cm
PDF417: 5 mil	3.0 in. / 7.6 cm	7.9 in. / 20.1 cm
PDF 417: 6.67 mil	2.5 in. / 6.3 cm	10.1 in. / 25.7 cm
DataMatrix: 10 mil	2.1 in. / 5.3	11.0 in. / 27.8 cm
UPCA (100%)	1.6 in. / 4.1 cm	24.9 in. / 63.2 cm
Code 128: 15 mil	2.4 in. / 6.1 cm	27.8 in. / 70.6 cm
Code 39: 20 mil	1.6 in. / 4.1 cm	36.1 in. / 91.7 cm
QR Code: 20 mil	1.1 in. / 2.8 cm	17.5 in. / 44.5

Battery Information

Battery Type	2 rechargeable NiMh (replaceable battery)
Charge Time	~6 Hours
Life of battery	500 charge-discharge cycles

Life per full charge	**Standby time:** • Over 20 hours **Active Scan Time:** • 70,000 scans within 9 hours based on two scans every 1 second • 12,000 scans within 15 hours based on one scan every 4 seconds
Battery weight	54.5g
Percentage lithium	N/A
mAh	2000 mAh
Cells per battery	1
Watts per battery	2.4
Cell type	AA
Chemical composition	Nickel Metal Hydride
Lithium content	N/A
Voltage	2.4v
Hazmat UN Number	N/A
ROHS Compliance	Yes, on the battery & data reader
Country of origin	China
Commodity code	8507.50.0000

Bluetooth Information

Bluetooth Radio	Bluetooth LE
Bluetooth Range	Up to 10 meters (33 ft.), depending on the environment. The range limit is usually due to the Host Device (phone, tablet, or notebook).
Bluetooth Profiles	• **Application Mode -** requires a compatible app with Socket Mobile CaptureSDK

Certification & Regulatory



Product SKUs

- **CX4655-3930** - S721 (White), Charging Dock (White with Barrel Jack Connector)
- **CX4853-4177** - S721 (White), Magic Dock (Black)
- **CX4854-4178** - S721 (White), Magic Dock (White)

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