



SOCKETSCAN S370 UNIVERSAL NFC & QR CODE MOBILE WALLET READER

The SocketScan S370, is a data capture platform that supports 1D and 2D barcode scanning as well as NFC Reading and Writing, designed to facilitate mobile wallet applications via on screen scanning or tap-and-go NFC Reading. It combines the latest 13.56 MHz Near Field Communication (NFC) contactless technology with barcode scanning and Bluetooth LE connectivity.

Built for limited counterspace and all-day reliability, the S370's compact form factor is ideal for retail, loyalty, pop-up selling, events, or ticket or ID verification.

The S370 supports the following NFC profiles:

1. Basic Mode (sometimes called HID or human interface device mode or Keyboard Emulation Mode).
2. Smart Reader (default mode).
3. PCSC Coupler Reader/Writer.

(The latter two for customer app development using our CaptureSDK).

The SocketScan S370 Universal NFC & QR Code Mobile Wallet Reader is portable, fits most anywhere, can run on battery or plugged into power, and can read almost any credential. Continuously and easily scans popular 1D and 2D barcodes from paper, label, and screen, like QR Code, PDF417 and Data Matrix. For the NFC/Rfid world, the S370 also supports all NFC Forum tag types and devices compliant with the ISO 18092 standard, in addition to ISO 14443 Type A and B smart cards, ISO 15693 tags, MIFARE®, FeliCa®, NPX, and STMicro tags. It complies with both Apple and Google NFC protocol on iPhone and Android devices.

Digital ID / mDL (Mobile Driver's License) Reader: The S370 was created with the new age of digital IDs and mDLs in mind, and simplifies the mDL reading process. Many states and countries have already begun to roll out systems for mDL usage, and Socket Mobile is helping industries such as retail, commercial services, and government move into this new digital ID ecosystem. Ready to read mDL's out of the box, the S370 can read credentials following ISO18013-5, the standard being adopted in many jurisdictions.

Having both QR Code and NFC reading capabilities, the S370 improves user experience and allows retail app providers to choose the types of credentials they want to support. The result is efficient customer experiences when accessing services with mDL or other digital IDs (e.g. to meet entry requirements, store requirements or industry regulations) by hovering or tapping a smart device. They can then use the information on consumer's mobile device to instantly verify age, membership, loyalty and other customer-related services.

- **Compatible with iOS, Android, Windows®, Mac and Linux.**
- **Wireless (Bluetooth LE)** – Connectivity with iOS, Android and Windows devices with long-range Bluetooth connection up to 330 feet (100m).
- **Easy Updates** – Firmware can be updated over Bluetooth using an iOS or Android app.
- **Battery or plug in** – Comes with an easy-to-replace rechargeable battery or plug it into power.
- **Long Lasting Battery** – Power to last 16 hours or 2 shifts.
- **User Feedback** – Intuitive LED indicators let users monitor battery, Bluetooth connection and scanning or reading status.
- **Configurable Visual Feedback/Credential Identifier** – For ease of differentiating among the various transactions - distinguishing lights appear for access (blue), payment (green), vaccine (yellow), loyalty (purple). For two credentials, reader can show both colors, half and half.
- **Customizable Audio Feedback** - Program the S370 to speak and add sounds and tones.
- **Keyboard Emulation** - The combination of the S370 (reader mode) and Socket Mobile Keyboard provides HID equivalent for use in any app or web form. Fast, reliable with full error checking.
- **HID Basic Mode** - emulates a keyboard and delivers the data to the active cursor location. No software installation required.
- **Application Mode** – Along with Socket Mobile's CaptureSDK enables easy integration in your applications to unite the S370 into your ecosystem.
- **Exceptional Form Factor** – Small, sturdy and fits perfectly in areas with limited counter or table space.
- **Developer Support Available.**
- **Designed and assembled in the USA.**
- **1-Year Warranty.**

NFC FEATURES

- **Reading** – Reads Apple, Google, & Samsung Wallet Passes, Fast NFC and RFID Reader and Mobile Driver's Licenses (mDL) (HF tags, labels, smart devices).
- **Writing** – Write/Encode, lock, unlock tags.
- **Reader Mode Templates** – Reader and HID mode for popular tag types. Customizable with an application over BLE.

SCANNING FEATURES

- **Scanning** – Reads QR Codes, Data Matrix, PDF417, 1D and 2D, on paper or screen omni-directional ability allowing intuitive rapid scanning.
- **Auto Scan Mode** – Automatic scanning provides continuous scanning capabilities.
- **Decoding Ability** – Reads damaged and poorly printed barcodes.

SINGLE PACKAGE INCLUDES

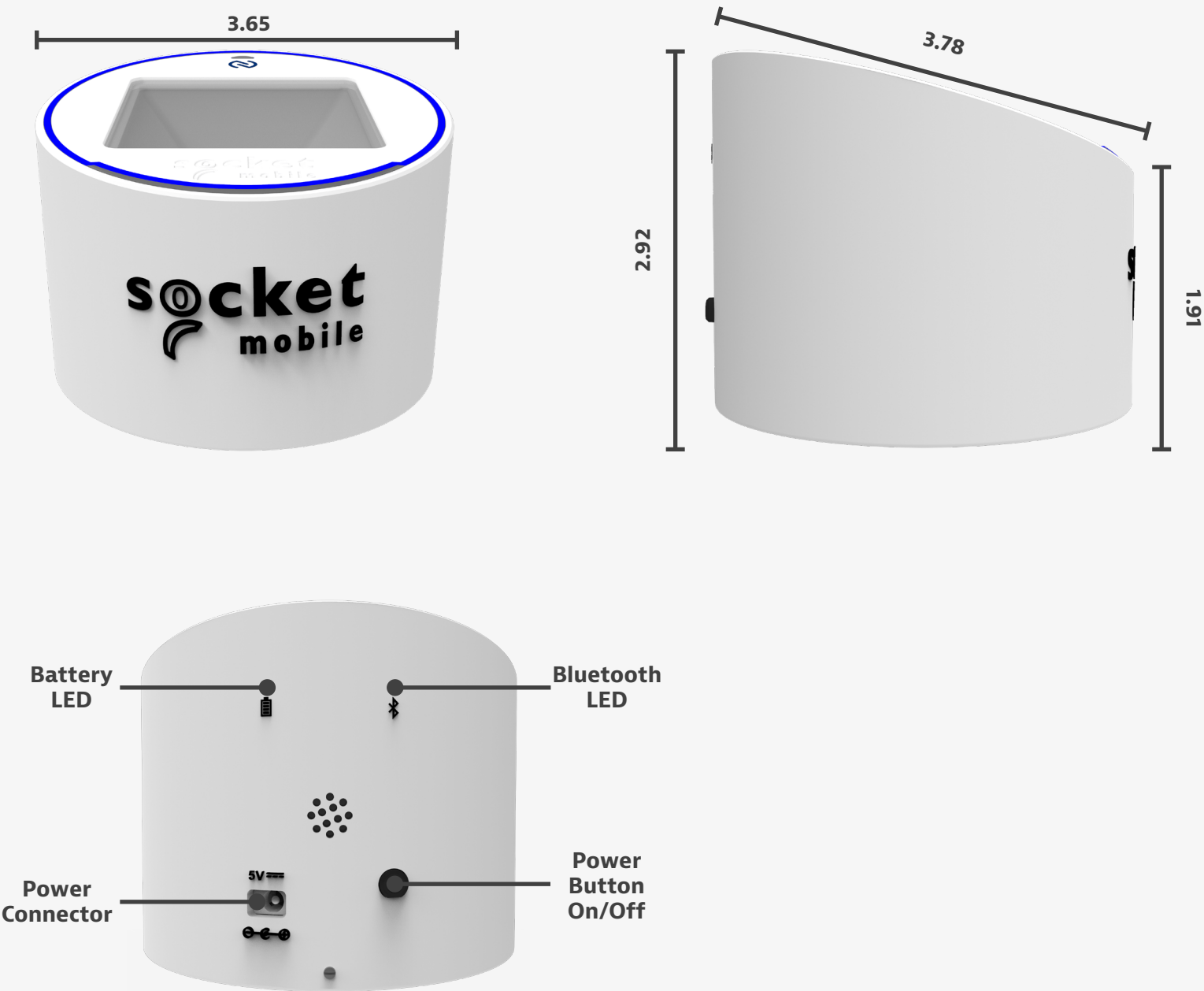
- (1) S370, Universal NFC & QR Code Mobile Wallet Reader
- (1) USB Charging Cable



NFC Tags Supported:	ISO15693: Vicinity Card ISO/IEC 14443 A and B: Mifare, Sony FeliCA Compliant with EPC GEN 2 HF and ISO 18000-3 mode 3 ISO 18000-3 mode 3: EPC GEN 2 HF NFC: ISO/IEC 18092 Proprietary: Several Peer-to-Peer (P2P) Card Emulation
Write Mode	Write mode is supported using the PCSC protocol over BLE. Compatibility is subject to the card type, content and authentication level. Please, contact Socket Mobile at support@socketmobile.com to discuss your requirements.
NFC Performance	Carrier frequency: 13.56 MHz (RFID HF, NFC) Read/Write Speed: 26 kbps (ISO 15693), 106kbps (ISO 14443, 212/424kbps (ISO 18092) Antenna: Integrated
Supported Symbolologies	<p><u>Default Barcode</u> 1D Symbolologies: Codabar, Code 128, Code 39, EAN-13/JAN, EAN-8/JAN, GS1 Databar, GS1-128, Interleaved 2 of 5, UPC A, UPC E</p> <p>2D Symbolologies: Data Matrix, PDF417, QR Code</p> <p><u>Supported Barcode Symbolologies:</u> 1D Symbolologies: Codabar, Code 11, Code 128, Code 39, EAN-13/JAN, EAN-8/JAN, GS1 Databar, GS1-128, Industrial 2 of 5, Interleaved 2 of 5, Matrix 2 of 5, MSI Plessey, UPC A, UPC E</p> <p>2D Symbolologies: Data Matrix, PDF417, QR Code</p>

MARKETS AND APPLICATIONS

Retail:	<ul style="list-style-type: none"> • Point of sale (1D/2D) • Mobile coupons/loyalty (eCoupons/eLoyalty) • Driver's License parsing for age verification/loyalty and credit applications (North America only) • Cigarette and liquor tax verification • Checkpoint EAS • mDL and Digital ID (e.g. age verification for restricted goods like alcohol, tobacco and cannabis) • Credit Applications
Hospitality:	<ul style="list-style-type: none"> • Mobile coupons/loyalty (eCoupons/eLoyalty) • Concession stands • Ticket processing (paper/mobile, 1D/2D) • Checkpoint EAS Vaccination verification
Quick Service Restaurants (QSR):	<ul style="list-style-type: none"> • Mobile coupons/loyalty (eCoupons/eLoyalty) • Driver's License parsing for age verification/loyalty and credit applications (North America only) • Checkpoint EAS Vaccination verification
Transportation:	<ul style="list-style-type: none"> • Ticket processing (paper/mobile, 1D/2D) • Gate/business lounge check-in (paper/mobile boarding passes) • Driver's License parsing (Department of Motor Vehicles — NA only)



Dimensions:	2(D) x 1.5 (H) in (50.8 mm x 63.5 mm)
Weight/Mass:	2.6 oz. (74g)
LEDs:	Four Quadrant LED Circle (full RGB) that meets the EMV "Common User Interface Guidelines" and provides intuitive feedback to the cardholder during normal operation and also can be used to simplify setup and status.
Button:	Power Button: On/Off
Power Connector:	USB A Male to DC Plug Charging Cable 1.5 meters (4.9 feet)

Bluetooth Radio:	Bluetooth, version 5
Bluetooth Range:	Up to 100 m (330 ft.) depending on environment, range limit is usually due to the Host Device (phone, tablet or notebook)
Bluetooth Connection:	"Keyboard"- Keyboard Emulation Profile "Reader"- Reader Only Profile (default) "Coupler"- Reader/Writer Profile (advanced user)

USER ENVIRONMENT

Operating Temperature:	-20° to 50° C (-4° to 122° F) (Plugged into power) 0° to 38° C (32° to 100° F) (Battery Powered)
Storage Temperature:	-40° to 70° C (-40° to 158° F)
Relative Humidity:	95% at 60° C (140° F) (non-condensing)

POWER/BATTERY

Type of Battery	Lithium Ion Cell
Battery Life:	500 charge-discharge cycles
Charge Time:	4 Hours
Battery Life - Per Full Charge:	Standby time: 16 hours Active Operation: 2,400 reads
Number of Batteries Used	1
Weight of battery	64g
Percentage Lithium	37%
Battery mAh	2300 mAH
Number of cells per battery	1
Watt Hours per battery	8.51Wh
Type of Cell (ex. AA)	NP-120
Chemical Composition(ex. Alkaline)	Lithium ion
Lithium Content	23.7%
Battery Voltage	3.7v
Hazmat UN Number	UN3481, P.I. 967
ROHS Compliance Indicator	Yes, included on product label
Battery only Country of Origin	China
Commodity Code	8507.60.0000
Note:	<i>Battery life varies depending on ambient temperature, read attempts, and age of battery.</i>



OPERATING SYSTEM SUPPORT

Android OS	Windows 10
Apple iOS	All devices supports: Keyboard Emulation Profile, Reader Only Profile and Reader/Writer Profile

iOS

iPadOS



Bluetooth SIG:	Declaration ID:
Electrical Safety:	FCC ID: Certified to IEC 60950-1, UL 60950-1, CAN/CSA C22.2
Environmental:	Environmental: RoHS EN 50581
EMI / RFI:	FCC Part 15 Class C, RSS 210, iCES 003, CISPR 22, CE EN55022, EN55024
ISO 9001 Accreditation	 



WARRANTY

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



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