



NFC RFID

## SocketScan S550

Apple VAS Certified NFC Mobile Wallet  
Reader

Countertop Reader | Passport Reader  
Tap and Go

The SocketScan S550, an Apple Value-Added Services (VAS) certified NFC mobile wallet reader, is designed to facilitate tap-and-go mobile wallets, contactless cards, and NFC applications. It combines the latest 13.56 MHz contactless technology with Bluetooth LE connectivity.



Built for limited counter space and all-day reliability, we created the S550 to work with applications for loyalty, closed-loop payments, pop-up selling, events, ticket or ID verification, and other customer-related services. Together with an application, the S550 can automatically request the appropriate mobile pass from an iOS or Android host device for a franchise, store, venue, or event you are attending to ensure a fast and convenient end-user experience. The result is simple user interaction and a high level of security by capturing a cryptographically generated payload from the mobile pass. The mobile pass then transmits the payload over secure Bluetooth to an iPad or other host device running a connected application.

The S550 is compact, portable, and can run on a battery or be plugged into power. Convenient for use anytime, anywhere with applications running on Android, Apple iOS devices (iPad®, iPhone®, iPod touch®) and Windows. The S550 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®, NXP, and STMicro tags. It is NFC Forum, Apple Pay® Value Added Service (VAS), Google Wallet, FeliCa®, and Bluetooth SIG certified. It complies with both Apple and Google NFC protocols on iPhone and Android devices.

Digital ID / mDL (Mobile Driver's License) Reader: The S550 is an excellent choice in the new age of digital IDs and mDLs 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 mobile wallet mDLs out of the box, the S550 can read credentials following ISO18013-5, the standard adopted in many jurisdictions.

### **The S550 supports three Bluetooth profiles:**

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

**Note:** The S550 is not a credit or debit card reader.

## **Available in the following bundles**

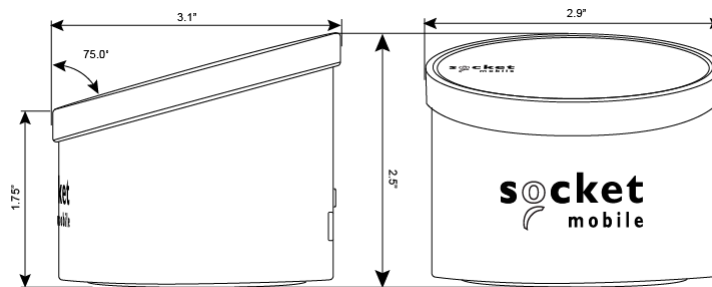
- **S550 + [Security Base](#)** – The Security Base allows you to secure the S550 firmly in one place on a countertop, desk, table, or any other surface.

### **Features**

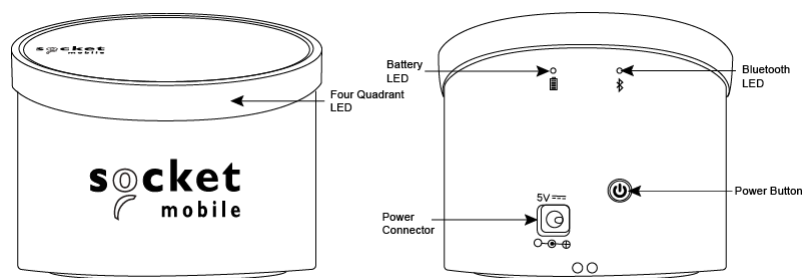
- **Multi-Device Compatibility** — Apple® Certified for iOS devices (iPhone®, iPad®) and compatible with Android® and Windows® 10.
- **Versatile Reading** — Reads Apple Wallet® & Google Wallet Passes, Fast NFC, and RFID Reader (HF tags, labels, smart devices).
- **Writing** — Write/Encode, lock, and unlock tags.
- **Long-Lasting Battery** — Features rechargeable and field-replaceable battery that lasts a full shift.
- **Intuitive User Indicators** — [LED lights](#) that indicate successful scanning and battery charging status.
- **Easy App 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. Data reader works out of the box for apps that have already integrated CaptureSDK.

- **Developer Support** — Our support team is available to assist with set-up and operation.
- **Bluetooth Wireless Integration** — Dependable Bluetooth connection to host devices.
- **Audible Feedback** — Multiple **feedback tones** to indicate successful scans/reads and other important action confirmations.
- **1-Year Warranty Included** — **Extended warranty** options also available.

## Dimensions



## External Control



## Reading Performance

### 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

Learn **how to enable and disable** data types.

**Write Mode** Write mode is supported by the PCSC protocol over BLE. Compatibility is dependent on the card type, content, and authentication level. Please [contact us](#) to discuss your requirements.

## NFC

**NFC Front-End** NXP PN5180

**Maximum NFC Read Range** 0.4" - 2" (10 - 50 mm)

**Carrier Frequency** 13.56 MHz (RFID HF, NFC)

**Read/Write Speed** 26 kbps (ISO 15693), 106kbps (ISO 14443, 212/424kbps (ISO 18092)

**Antenna** Integrated, round 54mm x 40mm, balanced

## Battery Information

**Battery Type** 1 rechargeable Lithium Ion Polymer (replaceable battery)

**Charge Time** 4

**Life per full charge** **Standby time:** 16 hours  
**Active Operation:** 2,400 reads

**Battery weight** 35g

**Percentage lithium** 26.5%

**mAh** 1000

**Cells per battery** 1

**Watts per battery** 3.7

**Cell type** Proprietary

**Chemical composition** Lithium - polymer

**Lithium content** 3.0g

**Voltage** 3.7v

**Hazmat UN Number** UN3481, P.I. 967

**ROHS Compliance** Yes, Included with Scanner

**Country of origin** China

**Commodity code**

8507.60.0000

## 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

- **Keyboard** - Keyboard Emulation Profile
- **Reader** - Reader Only Profile (default)
- **Coupler** - Reader/Writer Profile (advanced user)

## Operating Systems



## Packaging

- Data Reader
- Charging Cable
- Get Started Guide

## Common Uses

- [Retail Solutions](#)
- [Loyalty](#)
- [Security & Access Control](#)
- [Healthcare Solutions](#)

## User Environments

<b>Operating Temperature</b>	0° to 45° C (32° to 113° F)
<b>Storage Temperature</b>	-40° to 70° C (-40° to 158° F)
<b>Relative Humidity</b>	95% at 60° C (140° F) (non-condensing)

## Certification & Regulatory

### Bluetooth SIG:

- Declaration ID D048240

### Electrical Safety:

- FCC ID: 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 CISPR 22 CE EN55022 EN55024

### Certifications:

- FCC ID: LUBS550

### IC ID:

- 2429A-S550

### Contains:

- FCC ID: QOQBGM18, IC: 5123A-BGM13



## Product SKUs

