



NFC RFID

DuraScan D751

Durable NFC & RFID Contactless Reader/Writer

IP54 Rating | NFC/RFID

Built for dependable performance, the D751 is a durable, portable data reader that delivers advanced NFC and RFID reading/writing capabilities. Its compact yet resilient design supports high-performance data capture for tasks such as asset management and access control. Ideal for professionals in commercial services, retail, hospitality, and transportation & logistics, the D751 is built to support diverse NFC/RFID applications with consistency and flexibility.

Note: For Developer use only.



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 DuraScan D751 excels in environments where quick, reliable, and secure NFC and RFID interactions are essential. With advanced capabilities for both reading and writing NFC/RFID tags, the D751 enables applications to track, manage, and update critical asset records effortlessly.

Engineered for durability, the D751 features IP54-rated housing to withstand the rigors of various environments, from industrial spaces to outdoor settings where dirt and grime are common. The device's small, handheld form factor and extended battery life provide comfort and consistent performance throughout long workdays.

The D751 supports a number of HF RFID standards such as ISO-15693, as well as NFC tags using ISO-14443 A/B tag reading, including ISO compliant implementations of MIFARE® and FeliCa®. It also supports ISO-18092 in read/write mode.

Its Bluetooth® LE connectivity ensures easy integration with iOS, Android, and Windows devices and applications, and Socket Mobile's CaptureSDK allows for tailored notification tones and vibrations. Compatible with a variety of accessories and equipped with a field-replaceable battery, the D751 is

designed to adapt to evolving needs while minimizing downtime.

Available in the following bundles

- **D751 + 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.
- **Versatile Reading:** Reads Apple Wallet® & Google Wallet Passes (HF tags, labels, smart devices).
- **Writing:** Write/Encode, lock, and unlock tags.
- **Durable Design:** Built to withstand drops and harsh environments, with an IP54 sealed housing for protection from dust, water exposure, and water immersion.
- **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.
- **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 Charging Dock (White)

- Data Reader
- Charging Dock (If selected)
- Barrel Jack to USB-A Cable
- Wrist Strap

- Insert

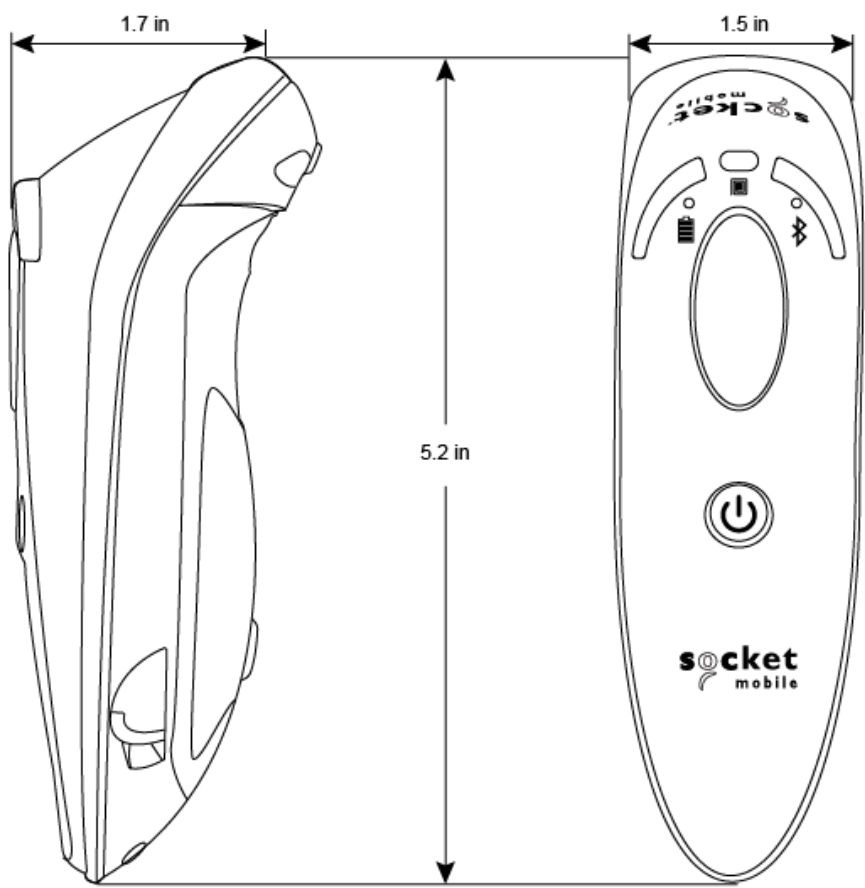
Data Reader with Charging Stand

- Data Reader
- Charging Stand (If selected)
- USB-C to USB-C Cable
- Wrist Strap
- Insert

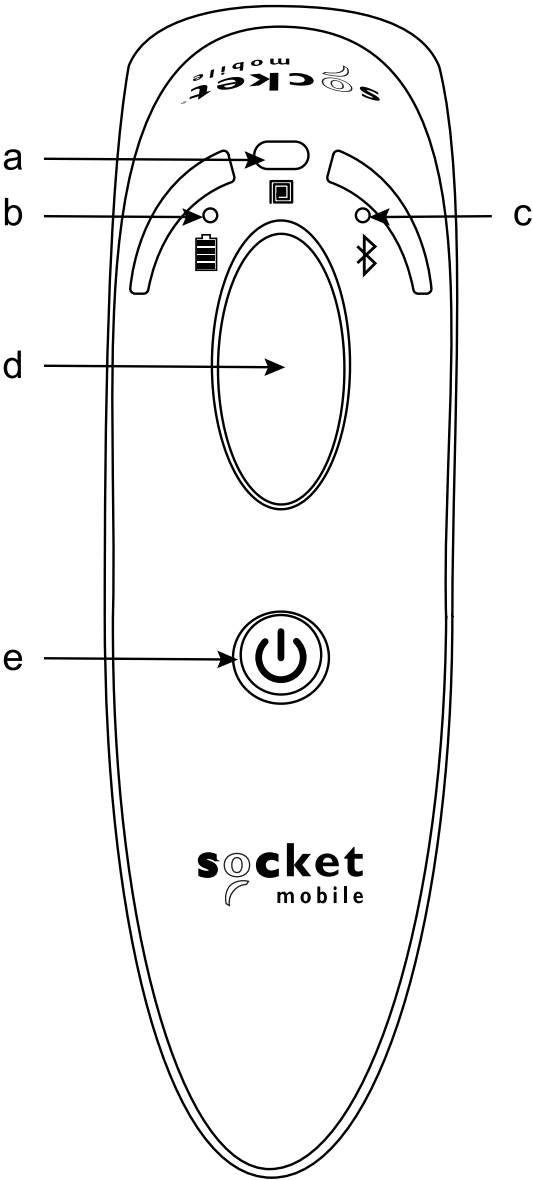
User Environments

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	Six drops onto concrete - one on each side at 6.6 ft. (2 m)
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.

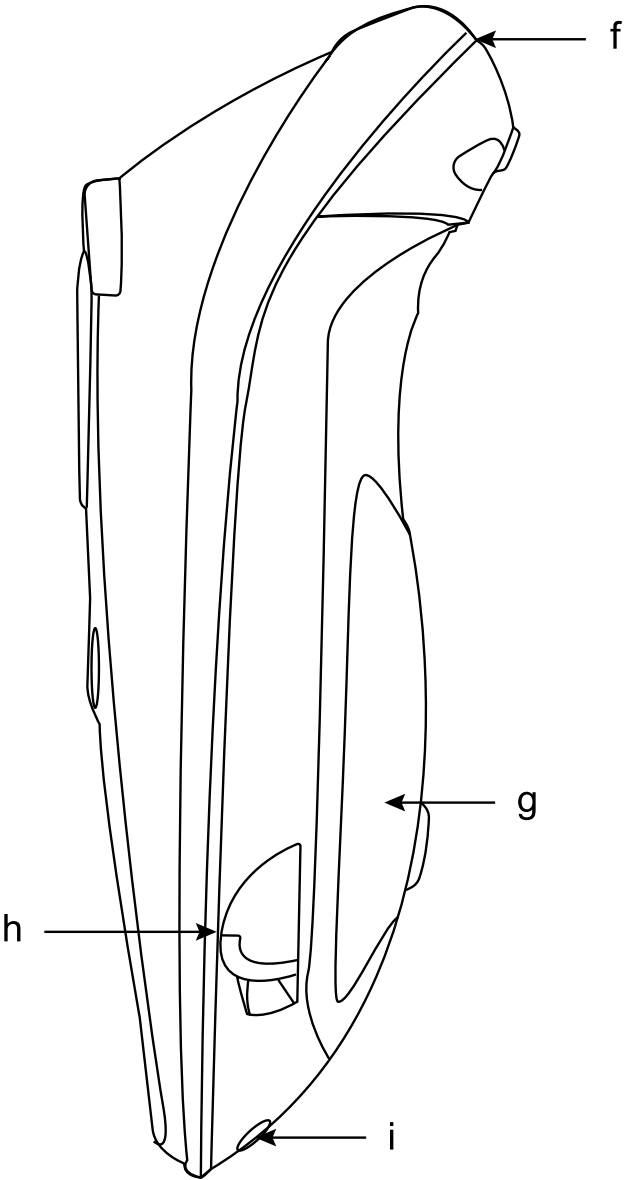
Dimensions



External Control



- a. Read/Write Indicator LED
- b. Battery LED
- c. Bluetooth LED
- d. Read Button
- e. Power Button



- f. NFC Antenna
- g. Removable Battery Door
- h. Power Connector
- i. Pins for Charging Dock/Stand

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.
Antenna	Integrated, round 54mm x 40mm, balanced
Carrier Frequency	13.56 MHz (RFID HF, NFC)
Maximum NFC Read Range	0.4" - 2" (10 - 50 mm)
NFC	
NFC Front-End	NXP PN5180
Read/Write Speed	26 kbps (ISO 15693), 106kbps (ISO 14443, 212/424kbps (ISO 18092)
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.

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 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 Radio	Bluetooth LE

Certification & Regulatory



General Info

- [Battery Information](#)
- [Contact Sales](#)
- [Global Trade Compliance](#) 
- [Request a Demo](#)

