



1D BARCODES, 2D BARCODES

DuraScan Terminal DT841

Durable Performance 1D/2D Bluetooth LE Barcode Scanner for iPhone 17e (also compatible with iPhone 16e)

All-in-One-Hand usage | **BYOD** | **IP54 Rating**

A slim, durable scanning terminal designed for mobile teams who depend on speed and reliability. The DuraScan Terminal DT841 brings high-performance 1D/2D barcode scanning to the iPhone® 17e in a sleek, handheld design built for real-world mobility. Its ruggedized protective housing shields the device from drops and daily wear, while maintaining full access to the camera, touch screen, and USB-C charging. Perfect for delivery services, asset tracking, ticketing operations, and other application-driven mobile tasks.

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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 Terminal DT841 delivers dependable scanning performance in a compact, ergonomic form factor that supports full-shift productivity. Equipped with a fast, omnidirectional scan engine capable of reading barcodes from up to 20 inches, the DT841 enables accurate captures whether items are in-hand or just out of reach. Its rubberized exterior absorbs impact during tumbles and transportation, keeping both the terminal and iPhone protected throughout demanding workdays.

The iPhone remains secure and accessible within the terminal, and users can operate the native camera without removing the device from its housing. USB-C passthrough charging allows the iPhone to stay powered while docked, reducing downtime and simplifying field operations.

Bluetooth® Low Energy (LE) connectivity provides a stable, power-efficient wireless link to compatible apps and software systems. With a comfortable handheld shape, responsive scanning, and durable construction, the DT841 is an ideal fit for delivery drivers, ticketing teams, asset managers, and mobile workers who need a lightweight yet rugged data-capture solution.

Optional Upgrade:

DuraScan Terminals are available with a factory-new, pre-installed 256GB iPhone® 17e. This upgrade delivers a fully assembled data capture solution, enabling faster deployment and minimizing setup complexity in the field.

Features

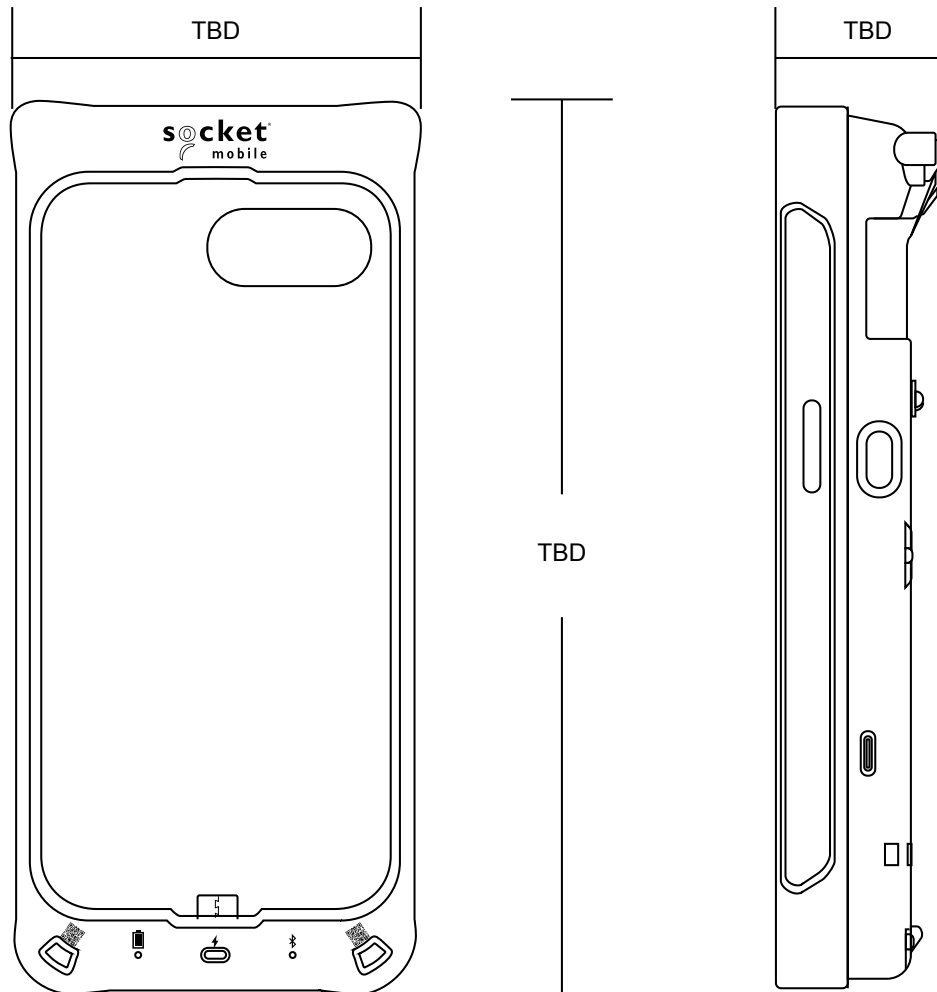
- **Rapid Scanning:** Fast 1D/2D scanning for both printed and on-screen barcodes, featuring omnidirectional capability for intuitive, rapid scanning.
- **Advanced Decoding:** Accurately captures data from scratched, damaged, smudged, or low-contrast barcodes, helping to reduce failed scans, minimize delays, and increase productivity when working in challenging environments.
- **Durable Casing:** Rubber material for increased protection from drops.
- **Scanning Range:** Scans barcodes ranging in size from 5 mil to 15 mil, at distances from 0.6 inches up to 20 inches.
- **Precision Aimer:** High-visibility aimer ensures fast, accurate barcode targeting across various distances.
- **One-Handed Solution:** Easily combine the mobile device and data reader for a one-handed scanning solution.
- **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.
- **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.

Common Uses

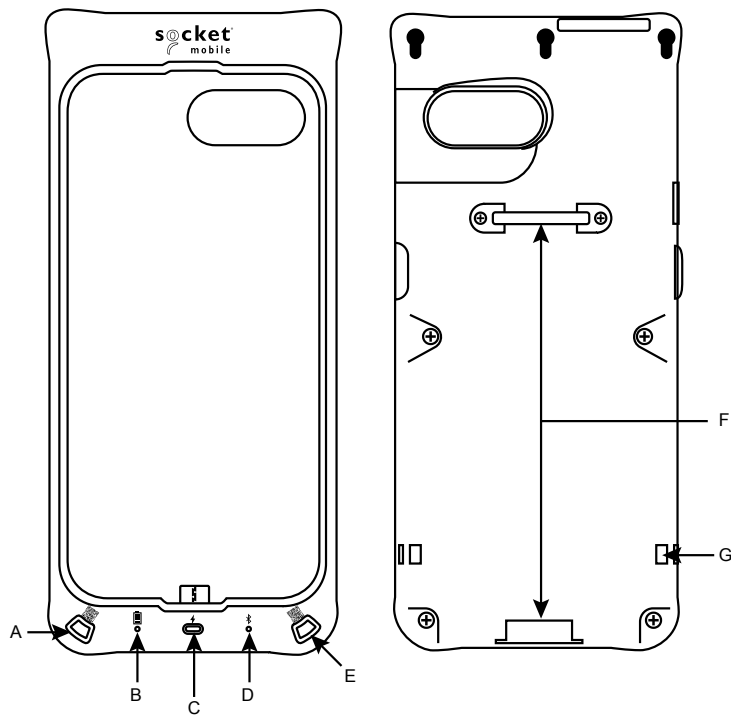
- [Retail Solutions](#)
- [Travel & Hospitality Solutions](#)

- Logistics Management
- Healthcare Solutions
- Track & Trace
- Inspections & Audits
- Field Services
- Food Handling

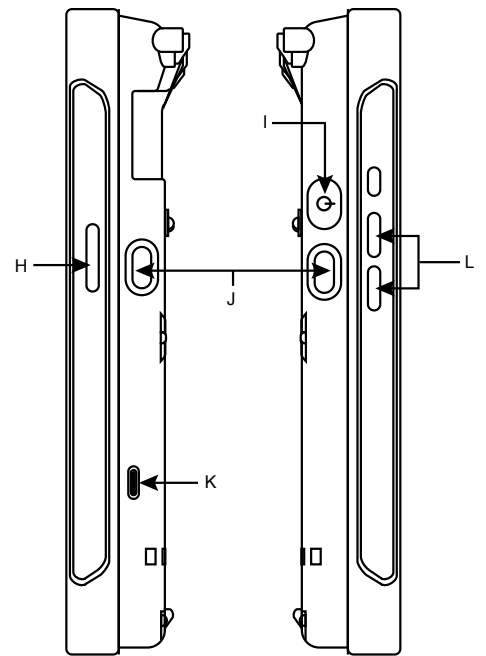
Dimensions



External Control



- A. Scan LED
- B. Battery LED
- C. Charging LED
- D. Bluetooth LED
- E. Scan LED
- F. Handstrap



- G. Wriststrap eyelet
- H. Phone power button
- I. Scanner power button
- J. Scan button
- K. USB-C charging port
- L. Scanner power button

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 128, Gs1 Databar Expanded, Gs1 Databar Limited, Gs1 Databar Omnidirectional, Interleaved 2 5, Isbt 128 Udi, Trioptic, Upc A, Upc E
- **2D Symbologies:** Aztec, Composite, Data Matrix, Han Xin, Maxicode, Micropdf417, Micro Qr, Pdf417, Qr

Learn how to [enable and disable](#) data types.

Supported Barcode Symbologies

- **1D Symbologies:** Chinese 2 5, Code 11, Matrix 2 5, Msi
- **Postal Codes:** Australia Post, Japan Postal, Mailmark, Netherlands Kix, Us Planet, Us Postnet, Usps 4Cb One Intelligent Mail

Learn how to [enable and disable](#) data types.

0.6 in. to 20 in. (1.5 to 50.8 cm) Depends on barcode size, symbology, label media

		Near	Far
Reading Distance	5 mil Code 39	1.10 in / 2.8 cm	6.54 in / 16.6 cm
	6.67 mil PDF417	0.91 in / 2.3 cm	7.05 in / 17.9 cm
	10 mil DataMatrix	1.22 in / 3.1 cm	7.48 in / 19.0 cm
	13 mil UPC-A	1.50 in / 3.8 cm	20.04 in / 50.9 cm
	15 mil QR	0.59 in / 1.5 cm	11.06 in / 28.1 cm

Reading Distance 2.8 to 91.7 cm (1.1 to 36.1 in.) Depends on barcode size, symbology, label media.

Scan Angle 44.5° (Horizontal) - 33.5° (Vertical)

Sensor Resolution 1280 horizontal x 960 vertical pixels

Print Contrast Down to 25%-20%

Bluetooth Information

Bluetooth Profiles

- **Application Mode** - requires a compatible app with Socket Mobile CaptureSDK

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).

Certification & Regulatory



Product SKUs

- **HC2133-3961** - DT841 (iPhone 17e included)
- **CX4678-3959** - DT841 (Not included (data reader only))

