socket® mobile

2D/1D Imager
Barcode Scanner

DURASCAN® D840

Thin, Small & Light - 2D/1D Scanner - Great for one-handed solutions

The DuraScan® D840 is a fast-scanning universal barcode scanner with Bluetooth® wireless technology. It reads the most popular 2D/1D barcodes and is perfect for retail point of sale, inventory management, sales order entry, field service, and other mobile business applications. Users can scan barcodes printed on labels or displayed on screens. Designed for mobility, durability and lasting up to two shifts. The external rubberized material increases drop protection. Easy to use and attachable to a mobile device, enabling one-handed operation, it slips neatly into your pocket and fits comfortably in the palm of your hand.
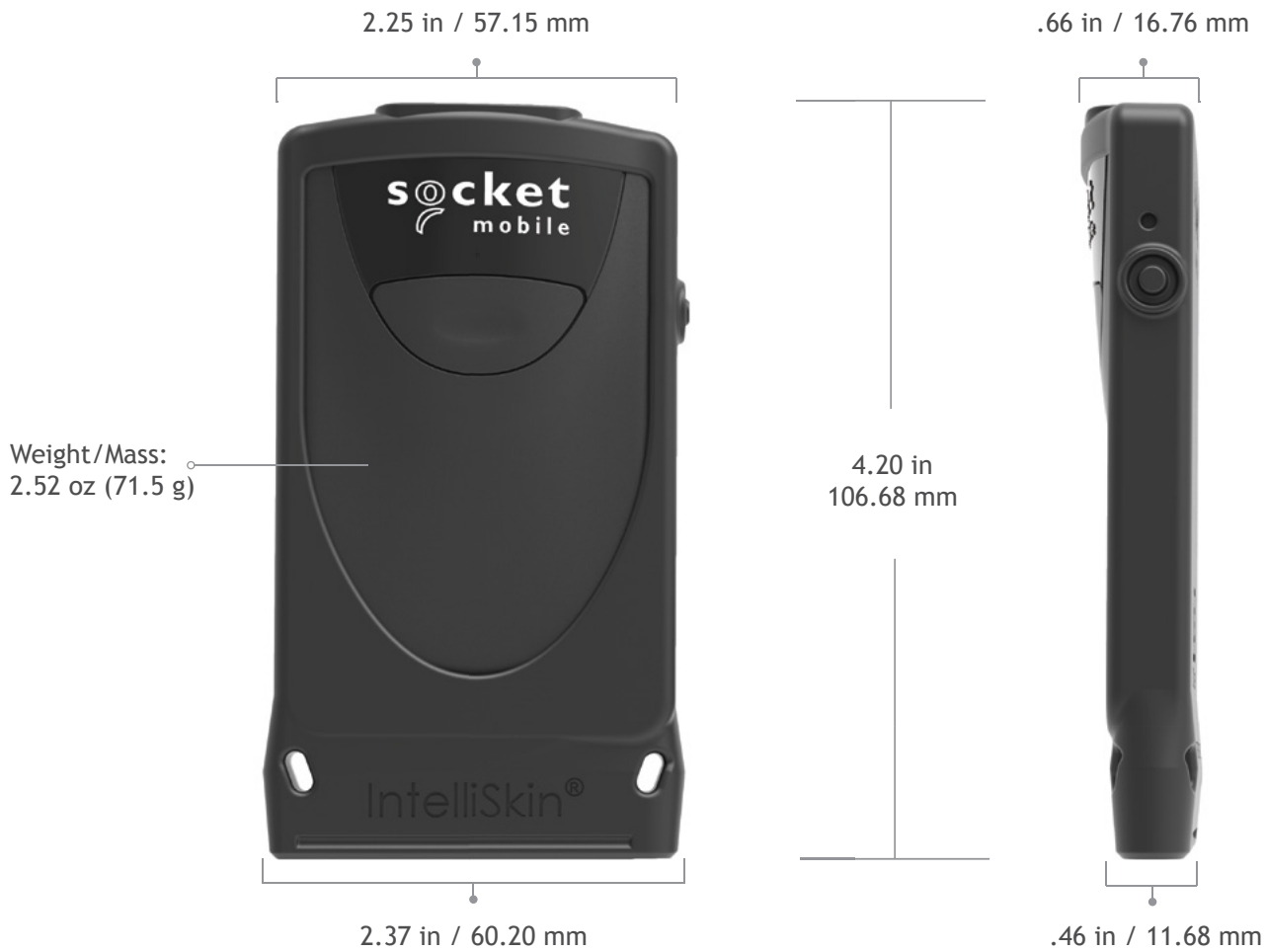
Made for
iPod iPhone iPad

Bluetooth®

Certified by Apple® for iOS devices (iPad®, iPhone®, iPod Touch® devices) and compatible with Android and Microsoft Windows®
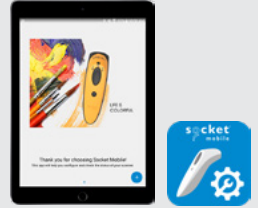
Features

- **Bluetooth Wireless Technology** - Connects easily to a wide range of Bluetooth enabled smartphones, tablets, notebook and desktop computers [Compatible with iOS, Android and Windows devices with typical Bluetooth range of 10 meters (33 feet).]

- **Certified by Apple® for iOS devices** – Guaranteed Compatibility - With Capture SDK integrated in over 700+ applications, Socket Mobile scanners are one of the most natively integrated scanners available today. Socket Mobile Scanners are also 100% compatible with any application out-of-the-box in HID (keyboard emulation) mode.

- **Scanning** – Fast 2D/1D, omni-directional scanning for printed or on-screen barcodes with highly visible and safe LED aimer.

- **LED Aimer** - Bright, rectangular illumination field with LED dot for precise aiming.

- **Size & Weight** – Measuring a littler over ½ inch (16.76mm) thick and weighing 2.52 ounces (71.5g)

- **User Feedback** - With audible tones, hand pulsation and Bluetooth indicators

- **Long-Lasting Battery** - Power to last over 16 hours.

- **One-Handed Operation** – Attachable Klip is included.

- **Durable Casing** – Rubber material for increased protection from drops.

- **Protective Material** - Made with antimicrobial material for protection against potentially harmful bacteria.

- **Application 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.

- **Accessories** - Klip, Charging Dock, Adapter and Multi-Charger (sold separately or in a bundle).

- **Designed and Assembled in the USA**

- **Developer Support Available**

- **1-Year Warranty**

2.25 in / 57.15 mm

.66 in / 16.76 mm

Weight/Mass:
2.52 oz (71.5 g)

4.20 in
106.68 mm

socket mobile

IntelliSkin®

2.37 in / 60.20 mm

.46 in / 11.68 mm

Bluetooth LED
(Blue)

Scan Button

Power & Scan LED
(Green/Red)

Power button also
iOS keyboard pop-up

Wriststrap eyelet

Wriststrap
eyelet

IntelliSkin®

(1) DuraScan D840, Universal Barcode Scanner
(1) Rechargeable battery (pre-installed)
(1) Charging cable
(1) Universal Klip

Note: Charger NOT included - select the charging option that works best for you.

Socket Mobile Companion App
Download for Free!

OPTIONAL ACCESSORIES

DuraScan® D840, Linear Barcode Scanner and Charging Dock**	DuraScan® D840, Linear Barcode Scanner and Charging Dock**	Holster

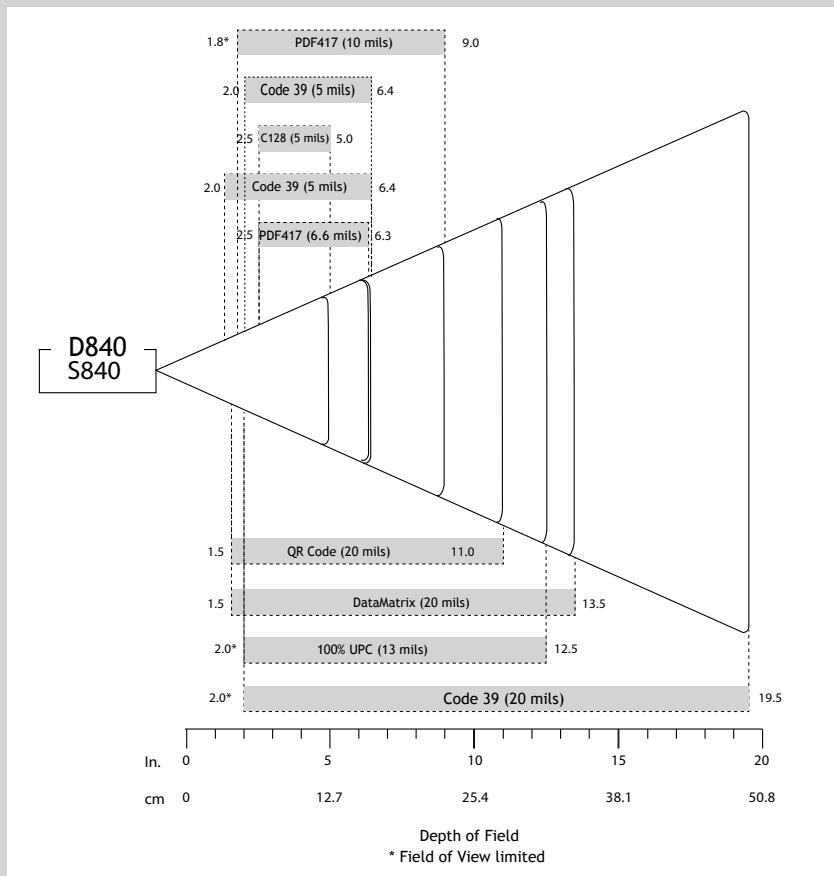| DuraCase Charging Adapter*	DuraCase Charging Dock*	6 Bay Charger*

*Charging options - The Charging Adapter is sold separately.
** Charging Bundles - CX 3557-2186 Charging Dock with D840
- CX 3551-2199 Multi-Bay Charger with six D840 scanners

Default Barcode Symbologies:	1D Symbologies: Codabar, Code 39, Code 93, Code 128, EAN-13/JAN 13, EAN-8/JAN 8, GS1 Databar, GS1 Databar Expanded, GS1 Databar Limited, GS1-128, Interleaved 2 of 5, ISBT 128, UPC-A, UPC-E, UPC-E1 2D Symbologies: Aztec, Data Matrix, Maxicode, Micro QR Code, Micro PDF417, PDF417, QR Code Postal Codes: USPS 4CB/One Code/Intelligent Mail
Supported Barcode Symbologies:	1D Symbologies: Bookland EAN, Chinese 2 of 5, Codabar, Code 11, Code 39, Code 93, Code 128, Composite CC-A/B, Composite CC-C, Composite TLC-39, Discrete 2 of 5, EAN-13/JAN 13, EAN-8/JAN 8, GS1 Databar, GS1 Databar Expanded, GS1 Databar Limited, GS1-128, Interleaved 2 of 5, Inverse 1D, ISBT 128, ISSN EAN, Matrix 2 of 5, MSI, UPC-A, UPC E/E-1 2D Symbologies: Aztec, Data Matrix, Han Xin, Maxicode, Micro PDF417, MicroQR, PDF417, QR Code Postal Codes: Australia Post, Japan Postal, Netherlands KIX Code, UK Postal, UPU FICS Postal, US Planet, US Postnet, USPS 4CB/One Code/Intelligent Mail
Scan Angle:	42° (Horizontal) - 28° (Vertical)
Sensor Resolution:	640 horizontal x 400 vertical pixels
Print Contrast:	Down to 25%
Reading Distance:	 3.8 to 49.5 cm (1.5 to 19.5 in.) Depends on barcode size, symbology, label media,

Decode Ranges:	Near	Far
5 mil Code 39	2.0 in/5.1 cm	6.4 in/16.2 cm
5 mil Code 128	2.5 in/6.3 cm	5.0 in/12.7 cm
6.6 mil PDF417	2.5 in/6.3 cm	6.3 in/16.0 cm
10 mil PDF417	1.8 in/4.5 cm*	9.0 in/22.8 cm
13 mil 100% UPC	2.0 in/5.0 cm*	12.5 in/31.7 cm
20 mil Code 29	2.0 in/5.0 cm*	19.5 in/49.5 cm
20 mil Data Matrix	1.5 in/3.8 cm	13.5 in/34.3 cm
20 mil QR Code	1.5 in/3.8 cm	11.0 in/27.9 cm

SCANNER TYPE

Technology:	2D/1D Barcode Linear Imager
Lightsource:	1 hyper red 660 nm (nanometer) LED
Aimer:	610 nm LED

BATTERY

Type of Battery:	Lithium Ion Polymer- rechargeable battery
Charge Time:	8 Hours
Battery Life: Per Full Charge:	**Standby time:** 25 hours **Active Scan Time:** 34,000 scans within 3 hours (based on 2 scans every 1 second) 9,000 scans within 10 hours (based on 1 scan every 4 seconds)
Note:	Battery life varies depending on ambient temperature, ambient light, age of battery, etc.
Number of Batteries Used:	1
Weight of battery:	12.5g
Percentage Lithium:	36%
Battery mAh:	700 mAh
Number of cells per battery:	1
Watt Hours per battery:	2.59
Type of Cell (ex. AA):	Proprietary
Chemical Composition (ex. Alkaline):	Lithium - polymer
Lithium Content:	14g
Battery Voltage:	3.7v
Hazmat UN Number:	UN3481, P.I. 967
ROHS Compliance Indicator:	Yes, Included with Scanner
Country of Origin:	China
Commodity Code:	8507.60.0000

BLUETOOTH (WIRELESS CONNECTION)

Bluetooth Radio:	Class 2 Bluetooth, version 2.1 + EDR (Enhanced Data Rates) with 56-bit data encryption
Bluetooth Range:	Up to 10 m (33 ft.) depending on environment, range limit is usually due to the Host Device (phone, tablet or notebook)
Bluetooth Profiles:	Basic Mode - Human Interface Device (HID)*, Application Mode - Serial Port Profile (SPP) and Application Mode - MFi-SPP. Some Operating Systems or smartphone/tablet models may support only one profile. *By default, the scanner is set to Basic Mode (HID).*

USER ENVIRONMENT

Ambient Light:	From 0 to 100,000 lux From pitch black to direct sun light
Operating Temperature:	+32 to +122°F (0 to +50°C)
Storage Temperature:	-22 to +158°F (-30 to +70°C)
Relative Humidity:	5% to 95% (non condensing)
Sealing:	IP40
Drop Specifications:	Multiple 6.5 ft. (2 m) drops to concrete

OPERATING SYSTEM COMPATIBILITY

Android OS: Basic Mode (HID)* & Application Mode (SPP)	Mac OS: Basic Mode (HID)* only
Apple iOS: Basic Mode (HID)* & Application Mode (MFi-SPP)	Windows: 10, 8, and 7: Basic Mode (HID)* & Application Mode (SPP)

Compatible with devices supporting Basic Mode (HID)* protocol. Supported keyboard languages - ANSI, English UK, English, French, German, Italian, Japanese, Polish, Spanish and Swedish

By default, the factory settings of the Socket Mobile Scanners are set to Basic Mode (keyboard emulation: HID). In order to use the scanner with an application using Capture SDK, the scanner must be configured in Application Mode (Bluetooth Serial Port Profile: SPP)

Certified by Apple® for iOS devices (iPad®, iPhone®, iPod Touch®) and compatible with Android and Windows®.

CERTIFICATION & REGULATORY

Bluetooth SIG:	Declaration ID: D030473 QDID: 82009
Electrical Safety:	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, C-Tick, CISPR 22, CE EN55022, EN55024, TELEC
LED Safety:	IEC/EN 62471 (Exempt Group) FCC ID: T9J-RN42 CMIIT ID: 6514A-RN42 Telec ID: [R] 201-125709

WARRANTY

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

COMMON USES

Retail	Hospitality	Point of Sale
Logistics	Life Sciences	Automotive
Healthcare	Inventory	Transportation
Warehouse Management	Field Sales & Service	Commercial Services