



1D BARCODES, 2D BARCODES

XtremeScan 962

Rugged Professional Mid-Range 1D/2D Bluetooth LE Barcode Scanners for iPhone 17e (also compatible with iPhone 16e)

Mid-Range Scanning | **Rugged IP67 Rated** | **Scans on Screen**

Built for tough industrial environments, the XtremeScan 962 equips your Apple® iPhone® 17e with reliable mid-range barcode scanning power. Combining Socket Mobile's proven rugged design with enterprise-grade scanning performance, the 962 enables workers to capture 1D/2D barcodes quickly and accurately from up to 14 feet away.



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 XtremeScan 962 merges a military-grade iPhone case and a high-performance mid-range scanner into a single rugged solution for demanding operations. Designed for warehousing, logistics, manufacturing, and field service, the 962 allows employees to scan barcodes on pallets, shelving, or individual items without constant repositioning.

Designed to withstand harsh conditions, the IP67-sealed housing protects the device from drops, dust, and water. The scanner's high-capacity battery supports full-shift operation, and users can easily charge the iPhone without removing it from the protective case. Bluetooth® Low Energy (LE) connectivity ensures fast pairing and dependable wireless performance.

With the 962, the iPhone 17e and iOS applications can perform reliably even in harsh environments where standard mobile devices are not designed to operate. The ergonomic form factors ensure comfortable all-day handling while maintaining speed, precision, and protection.

Available Configurations

- **XtremeScan XS962 (Standard Handheld):**

Rugged handheld scanner with integrated military-grade iPhone® case. Ideal for professionals needing a

compact, all-in-one protected device.

- **XtremeScan Grip XG962 (with Pistol Grip Handle):**

Same as XS962 but includes an ergonomic pistol grip handle for enhanced comfort and control during scan-intensive tasks.

Optional Upgrade:

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

Available in the following bundles

- **XTREMESCAN-962 + [Charging Dock w/ Vehicle Mount](#)** – Dock your reader into your vehicle with a pre-attached RAM® 1" Diamond Ball Mount. Compatible with thousands of RAM arms and bases.
- **XTREMESCAN-962 + [Charging Dock](#)** – For secure storage and convenient device charging between uses.
- **XTREMESCAN-962 + [Holster](#)** – Easily connects to a belt or mounts to equipment for quick and easy access.

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.
- **Rugged Design:** Built to withstand drops and harsh environments, with an IP67 sealed housing for protection from dust, water exposure, and water immersion.
- **Extended Range:** Scans barcodes ranging in size from 5 mil to 160 mil, at distances from 2.1 inches to 14 feet.
- **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.

Packaging

Data Reader with Charging Cable

- Data Reader
- [USB-C to USB-C charging cable](#)
- Insert

Data Reader with Charging Dock

- Data Reader
- Charging Dock
- [USB-C to USB-C charging cable](#)
- Insert

Data Reader with Charging Dock and Mount

- Data Reader
- Charging Dock
- Mount
- [USB-C to USB-C charging cable](#)
- Insert

Data Reader with Holster

- Data Reader
- [USB-C to USB-C charging cable](#)
- Holster
- Insert

Common Uses

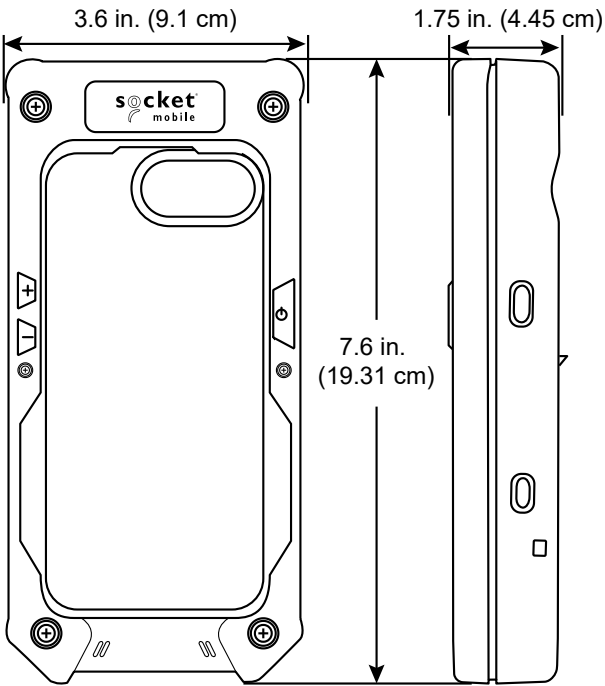
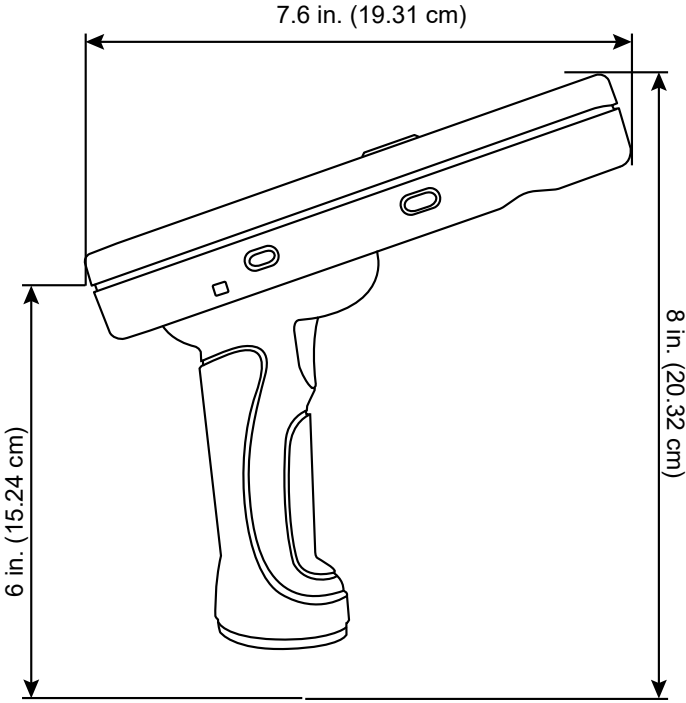
- [Warehouse Management](#)
- [Logistics Management](#)
- [Baggage Handling](#)

- Industrial & Manufacturing Solutions
- Inspections & Audits
- Manufacturing
- Oil & Gas
- Construction

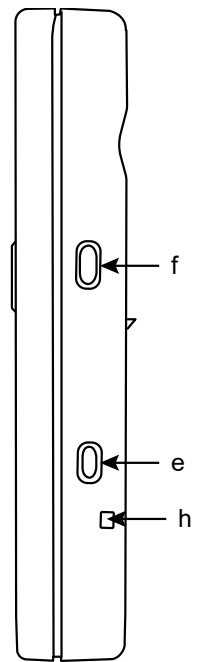
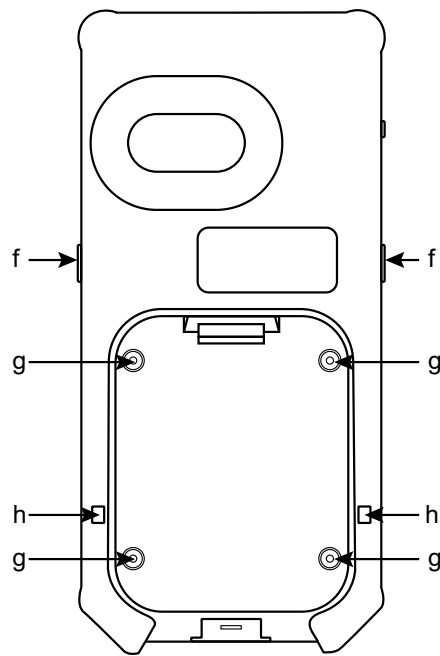
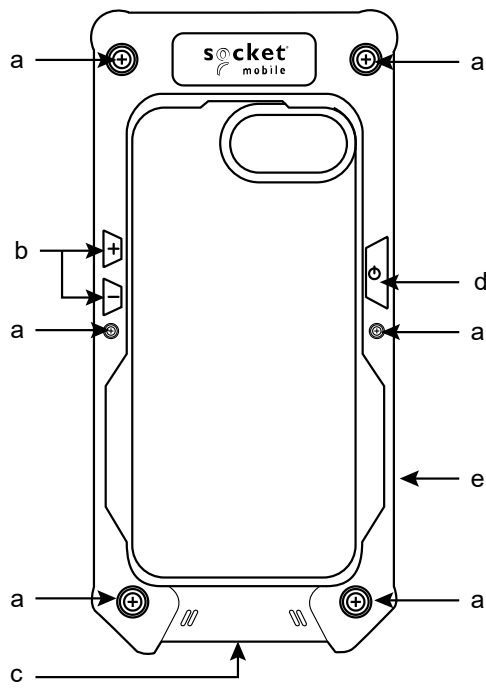
User Environments

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	Standard: • 10 ft. (3.1m) drop at room temperature per MIL-STD-810G Freezer: • 8 ft. (2.4m) drop to concrete across temperature per MIL-STD-810G • 7 ft. (2.1m) drop to concrete across temperature per MIL-STD-810G.
Operating Temperature	0° to 45° C (32° to 113° F)
Relative Humidity	95% at 60° C (140° F) (non-condensing)
Sealing	IP67 (Ingress protection rating for dust and water) meets IEC sealing and EN60529 specifications.
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. Screw placement

b. Volume buttons

c. Charging dock port

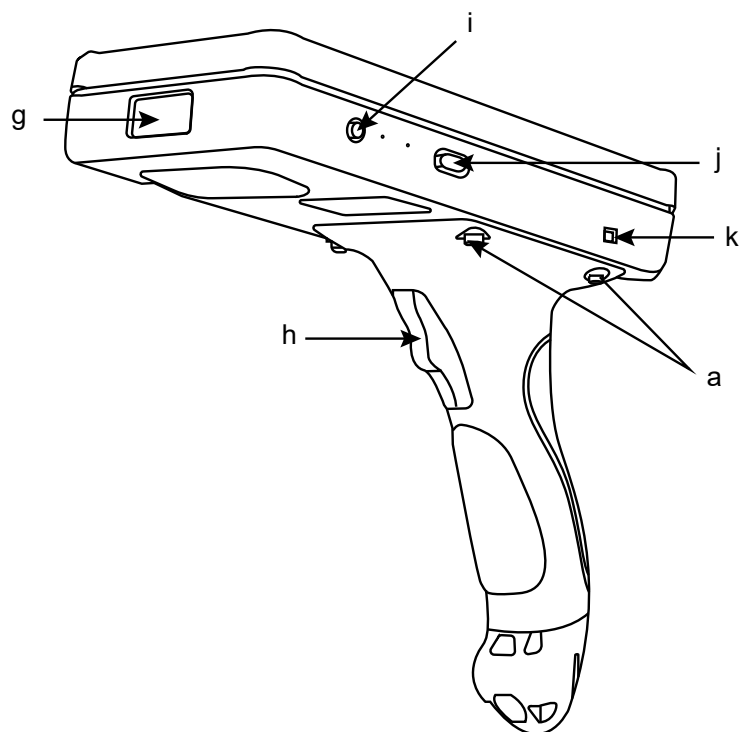
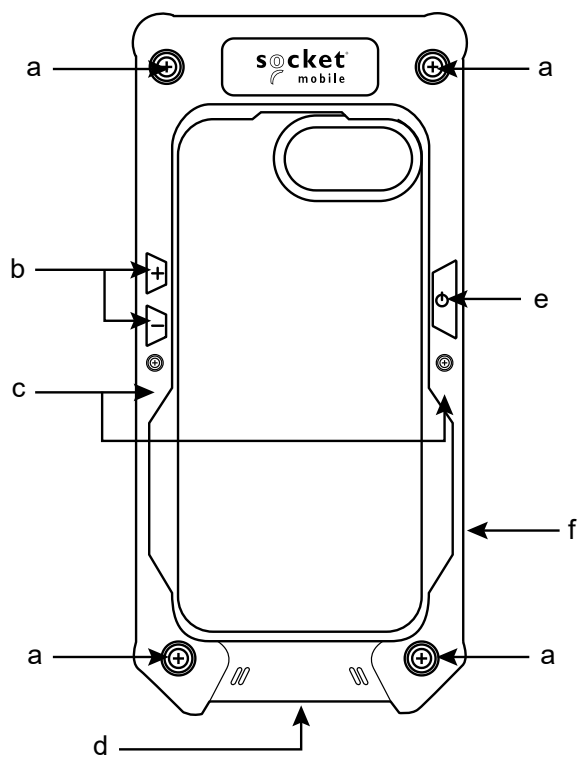
d. iPhone power button

e. USB-C charging port

f. Scan button

g. Screw placement

h. Wrist eyelet



- | | |
|-------------------------|-------------------------|
| a. Screw placement | g. Scan window |
| b. iPhone volume button | h. Scan button |
| c. Scan LED | i. Scanner power button |
| d. Charging Dock port | j. Scan button |
| e. Power button | k. Wrist eyelet |
| f. USB-C charging port | l. Screw placement |

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, Dotcode, Gs1 Data Matrix, Gs1 Qr, Maxicode, Micropdf417, Micro Qr, Pdf417, Qr
- **OCR Typeface:** Ocr A, Ocr B

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

Supported Barcode Symbologies

- **1D Symbologies:** Code 11, Matrix 2 5, Msi
- **Postal Codes:** Australia Post, Japan Postal, Mailmark, Netherlands Kix, Uk Postal, Us Planet, Us Postnet, Usps 4Cb One Intelligent Mail
- **OCR Typeface:** Micr E13b

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

5.8 to 436.9 cm (2.3 to 172 in.) Depends on barcode size, symbology, label media.

Decode Range	5 mil Code 128	7.4 in./18.8 cm (Near)	16.0 in./40.6 cm (Far)
	5 mil PDF417	8.1 in./ 20.6 cm (Near)	13.1 in./ 33.3 cm (Far)
	7.5 mil DataMatrix	8.3 in./ 21.1 cm (Near)	12.8 in./ 32.5 cm (Far)
	10 mil DataMatrix	7.0 in./ 17.8 cm (Near)	17.0 in./ 43.2 cm (Far)
	100% UPCA	2.3* in./ 5.8* cm (Near)	38.0 in./ 96.5 cm (Far)
	15 mil Code 128	4.0* in./ 10.2* cm (Near)	40.0 in./ 101.7 cm (Far)
	20 mil Code 39	2.1* in./ 5.3* cm (Near)	54.0 in./ 137.2 cm (Far)
	100 mil Code 39	11.0 in./ 27.9 cm (Near)	172.0 in./ 436.9 cm (Far)
	160 mil DataMatrix	11.5 in./ 29.2 cm (Near)	138.0 in./ 350.5 cm (Far)

* All decode ranges based on Grade A, photographic quality barcodes printed on paper.

Battery Information

Battery Type	1 rechargeable Lithium Ion Polymer
Life per full charge	Charge Time : Approx 7.0h
Battery weight	22 g
Percentage lithium	2.64%
mAh	1200
Cells per battery	1
Watts per battery	4.44
Cell type	Battery Pack
Chemical composition	Lithium - polymer
Lithium content	.58 g
Voltage	3.7v
Hazmat UN Number	UN3481, P.I. 967
ROHS Compliance	Yes, on the battery & 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

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

Certification & Regulatory

Bluetooth SIG:

- Declaration ID: D030529 QD ID: 82009

Electrical Safety:

- EN 62368-1:2020 + A11:2020
- IEC 62368-1:2018
- UL 62368-1:2019 R10.21
- CSA C22.2 NO. 62368-1:19

Environmental:

- RoHS EN 50581

EMI / RFI:

- FCC Part 15 Class C, RSS 210, iCES 003, C-Tick, CISPR 22, CE EN55022, EN55024
- TELEC:
- FCC ID: LUBMA41
- IC ID: 2529A-MA41M9

LED Safety:

- IEC 60825-1
- EN 60825-1



Product SKUs

- **HC2030-3578** - XG, Cable Only, iPhone 17e included
- **CX4440-3629** - XG, Cable Only, Not included (data reader only)
- **HC2027-3575** - XS, Cable Only, iPhone 17e included
- **CX4476-3669** - XS, Cable Only, Not included (data reader only)

- **HC2056-3623** - XG, Charging Dock, iPhone 17e included
- **CX4441-3630** - XG, Charging Dock, Not included (data reader only)
- **HC2063-3671** - XS, Charging Dock, iPhone 17e included
- **CX4477-3670** - XS, Charging Dock, Not included (data reader only)

- **HC2072-3698** - XG, Charging Dock w/ Mount, iPhone 17e included
- **CX4492-3696** - XG, Charging Dock w/ Mount, Not included (data reader only)
- **HC2070-3694** - XS, Charging Dock w/ Mount, iPhone 17e included
- **CX4490-3692** - XS, Charging Dock w/ Mount, Not included (data reader only)

- **HC2071-3697** - XG, Holster, iPhone 17e included
- **CX4491-3695** - XG, Holster, Not included (data reader only)
- **HC2069-3693** - XS, Holster, iPhone 17e included
- **CX4489-3691** - XS, Holster, Not included (data reader only)

