



1D BARCODES, 2D BARCODES

XtremeScan Mag XG663

Rugged Professional BYOD Long-Range 1D/2D
Barcode Scanner w/ Pistol Grip

BYOD | Long-Distance Scanning

Rugged IP67 Rated

Empower your mobile workforce with a rugged, long-range barcode scanning solution built for BYOD (Bring Your Own Device) operations. Featuring a secure magnetic attachment system and ergonomic pistol grip, the XG663 allows workers to easily pair any mobile device with advanced 1D/2D scanning—capturing barcodes at extreme distances (up to 46 feet) with speed and accuracy.

The XtremeScan Mag XG663 combines a powerful long-range barcode scanner, an ergonomic pistol grip handle, and a secure magnetic mounting system into a versatile and high-performance solution for industrial scanning. Designed for BYOD operations in warehousing, logistics, manufacturing, and field service, the XG663 allows employees to quickly attach and detach their mobile devices throughout the day, offering maximum flexibility without sacrificing scanning performance.

With a long-range 1D/2D scanning engine, the XG663 reads barcodes from as close as 2.2 inches to as far as 46 feet, reducing the need for repositioning or climbing to reach codes in hard-to-access areas. Whether scanning labels on high warehouse racks or close-range assets, the XG663 delivers fast, omnidirectional scanning with a safe and visible LED aimer.

Built with industrial-grade ruggedness, the XtremeScan housing features IP67 sealing to protect against dust, water, and rough handling. The pistol grip handle offers added comfort and control for extended scanning sessions, making it ideal for demanding, high-volume environments. The magnetic attachment system, combined with Bluetooth



connectivity, offers a secure, convenient, and flexible way for employees to pair their mobile devices with high-performance scanning—seamlessly fitting into any mobile workflow.

Available in the following bundles:

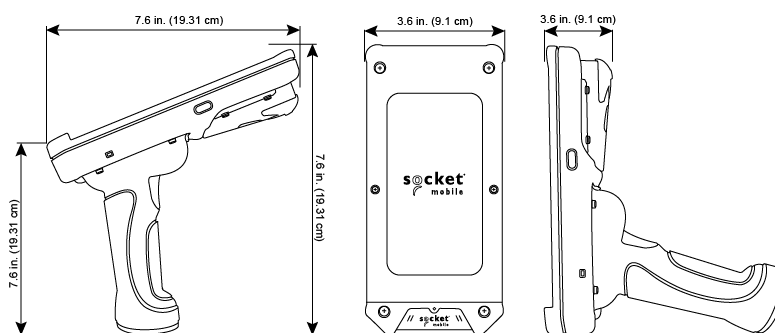
- **Scanner + [Charging Dock](#)** – the XtremeScan Scanner and compatible Charging Dock for secure storage and convenient device charging between uses.
- **Scanner + [Charging Dock w/ Vehicle Mount](#)** – Includes the XtremeScan Scanner, Charging Dock, and a pre-attached RAM® 1" Diamond Ball Mount, compatible with thousands of RAM arms and bases.
- **Scanner + [Holster](#)** – Includes the XtremeScan Scanner and a durable holster for belt carry or mounting to equipment.

Features

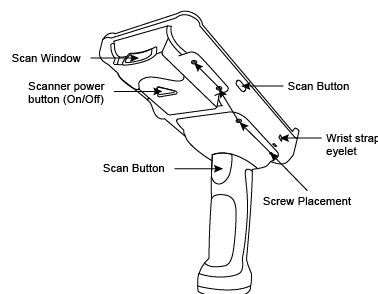
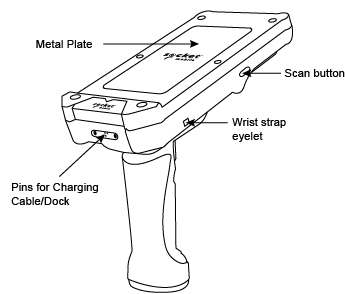
- **Rapid Scanning** — Fast 1D/2D scanning for both printed and on-screen barcodes, featuring omnidirectional capability for intuitive, rapid scanning.
- **Advanced Decoding** — Accurately captures data from scratched, damaged, smudged, or low-contrast barcodes, helping to reduce failed scans, minimize 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.
- **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 scanning and battery charging status.
- **Audible Feedback** — Multiple [feedback tones](#) to indicate successful scans/reads and other important action confirmations.

- **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.
- **Interchangeable Scanner** — Data reader can be detached & used separately, attached to a different iPhone/iPod, or inserted into any DuraSled Case.
- **Extended Range** — Scans barcodes ranging in size from 5 mil to 160 mil, at distances from 2.1 inches to 14 feet.
- **LED Aimer** — Bright, rectangular illumination field with LED pointer for precise aiming.
- **Magnetic Contacts** — Easily connects to charging dock using magnetic connectors.
- **Pistol Grip Handle** — Comfortable point-and-shoot barcode reading.
- **Multi-Device Compatibility** — Compatible with Apple® iOS devices (iPhone®, iPad®) as well as Android® and Windows® 10.
- **1-Year Warranty Included** — Extended warranty options also available.
- **Designed and Assembled in the USA** — All socket mobile data readers are built at our headquarters in Fremont, CA.

Dimensions



External Control



Reading Performance

Default Barcode Symbologies

- **1D Symbologies:** Bookland EAN, Codabar, Code 39, Code 93, Code 128, EAN-13/JAN, EAN8/JAN, GS1 Databar, GS1 Databar Expanded, GS1 Databar Limited, GS1-128, Interleaved 2 of 5, ISBT 128, UPC A, UPC EO
- **2D Symbologies:** Aztec, Data Matrix, DotCode, Maxicode, Micro PDF417, PDF417, QR Code
- **Postal Codes:** Australia Post
- **OCR Typeface:** OCR-B ICAO Travel Documents

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, Discrete 2 of 5, EAN-13/JAN, EAN8/JAN, GS1 Databar, GS1 Databar Expanded, GS1 Databar Limited, GS1-128, Interleaved 2 of 5, ISBT 128, ISSN EAN, Matrix 2 of 5, MSI, UPC/EAN/JAN, UPC A, UPC EO
- **2D Symbologies:** Aztec, Data Matrix, DotCode, GS1 Data Matrix (S740 with Green scan LED only), GS1 QR Code (S740 with Green scan LED only), Maxicode, Micro PDF417, MicroQR, PDF417, QR Code
- **Postal Codes:** Australia Post, Han Xin, Japan Postal, KIX Code, Maxicode, Netherlands, UPU FICS Posta, US Planet, US Postnet, USPS 4CB/One Code/Intelligent Mail
- **OCR Typeface (Green scan LED only):** OCR-A, OCR-B, MICR (E13B), US currency serial number

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

Battery Information

Battery Type	1 rechargeable Lithium Ion Polymer (replaceable battery)
Charge Time	8 Hours
Life of battery	500 charge-discharge cycles
Life per full charge	Standby time: 25 hours Active Scan Time: 10,000 scans within 11 hours (based on one scan every 4 seconds) <i>Note: Battery life varies depending on ambient temperature, ambient light, and the age of the battery.</i>
Battery weight	12.5g
Percentage lithium	36.3%
mAh	700
Cells per battery	1
Watts per battery	2.59
Cell type	Proprietary
Chemical composition	Lithium - polymer
Lithium content	4.5g
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 Profiles

- **Basic Mode** - Human Interface Device (HID)
- **Application Mode** - Serial Port Profile (SPP)
- **iOS Application Mode** (Default)

Some Operating Systems or smartphone/tablet models may support only one profile.

Bluetooth Radio

Class 2 Bluetooth, version 2.1 + EDR (Enhanced Data Rates) with 56-bit data encryption

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).

Operating Systems



Packaging

- Data Reader
- Charging Cable with USB-C to USB-A adapter
- Get Started Guide

Common Uses

- **Industrial & Manufacturing Solutions**
- **Inspections & Audits**
- **Track & Trace**
- **Transportation & Logistics Solutions**
- **Agriculture & Farming Solutions**

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: <ul style="list-style-type: none"> • 10 ft. (3.1m) drop at room temperature per MIL-STD-810G Freezer: <ul style="list-style-type: none"> • 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)

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

- CX4318-3451 - Scanner
- CX4439-3628 - Scanner with Charging Dock
- CX4486-3688 - Scanner with Charging Dock and Vehicle Mount
- CX4485-3687 - Scanner with Holster

