

### Lightweight, Pocket-sized, Dependable



The Socket *Bluetooth* Cordless Hand Scanner (CHS) Series 7 brings industrial-class barcode scanning into a portable, pocket-sized form factor.

#### Designed for Mobility:

- Small, light and portable with extra durable exterior casing
- Wireless with long-range *Bluetooth* connection
- Excellent ergonomics ensure comfortable use over extended periods
- Dependable performance with long battery life
- Easy integration with applications on diverse mobile computing platforms

Standard Plastics  
(7X, 7Xi)



Antimicrobial  
(7XRx, 7XiRx)



General Purpose Barcode Scanners	7X	<ul style="list-style-type: none"> <li>- High performance for scanning 2D and 1D barcodes, printed or on-screen</li> <li>- Scans barcodes in any direction</li> <li>- Reads barcodes displayed on screen of smartphone, laptop, tablet, etc.</li> <li>- Extra durable for outdoor use or fast, demanding operations</li> </ul>
	7XRx	<ul style="list-style-type: none"> <li>- Same as 7X except made with antimicrobial materials</li> <li>- Ideal for healthcare applications like medication administration, charting</li> <li>- Available with or without SDK</li> </ul>
Apple Certified Barcode Scanners	7Xi, 7XiRx	<p>Made for</p> <ul style="list-style-type: none"> <li>- Same as 7X except contains authentication chip to allow <i>Bluetooth</i> SPP connections with Apple iOS devices (Requires SDK or compatible app)</li> <li>- Also supports Android, BlackBerry, Windows</li> <li>- 7XiRx made with antimicrobial materials for healthcare</li> </ul>

#### HARDWARE FEATURES

- Works with *Bluetooth* enabled PDAs, smartphones, tablets, notebooks and desktop computers:
  - Windows Mobile, 7, Vista, XP
  - Apple iPod touch, iPhone, iPad and Mac OS®
  - Android OS, BlackBerry OS, QNX
- Class 1 *Bluetooth* 2.1 + EDR provides secure, long-range wireless connection up to 330 ft / 100 m
- Battery Friendly® technology enables extensive battery life on a single charge
- Versions 7Xi and 7XiRx are Apple iOS certified to add support for *Bluetooth* SPP connections with iPad, iPhone, iPod touch (Requires SDK or compatible app developed with SDK)
- Extra durable exterior casing withstands multiple 1.5 m (5 ft) drops to concrete
- Antimicrobial versions for healthcare, food service and other hygiene-sensitive work environments
- Easy to use with automatic reconnections
- LED and beeps indicate good scan, connection, and power status
- Vibrate mode for good scans, great for noisy environments where beeps are hard to hear
- Easy access to Apple iOS on-screen keyboard<sup>1</sup>
- Supports *Bluetooth* HID connections for easy setup with no software installation<sup>2</sup>
- Supports *Bluetooth* SPP connections for advanced scanner control<sup>3</sup>

#### SOFTWARE FEATURES (SPP mode only)

- SocketScan™ 10 keyboard wedge software enters scanned data into any application — no custom programming needed
- Socket EZ Pair automates *Bluetooth* setup for maximum ease of use
- Suffix support — option to automatically add a carriage return or tab after each scan of data
- Configure beep, LED and vibrate settings
- Enable / disable symbology (barcode type)
- Monitor scanner battery level
- Determine the symbology or length of a barcode
- SocketScan 10 SDK available with optional developer compensation program  
<http://www.socketmobile.com/products/sdk/>

<sup>1</sup>Supported by Revisions G or later of the 7X or 7XRx and all Revisions of the 7Xi or 7XiRx.

<sup>2</sup>HID not supported for BlackBerry OS or iPhone 3G.

<sup>3</sup>SPP not supported for Mac OS or QNX. For iOS support with *Bluetooth* SPP, the CHS 7Xi or 7XiRx and SDK or compatible app are required.

CHS Model	7X (v3)	7XRx (v3)	7Xi(v3)	7XiRx (v3)
SKU #	CX2854-1276	Scanner only: CX2856-1278 With SDK: SW1243-1320	CX2864-1336	Scanner only: CX2866-1338 With SDK: SW1245-1322
Dimensions / Total Mass	Dimensions: 132 x 45.1 x 37.9 mm (5.2 x 1.77 x 1.49 in.) Total Mass: approx. 68 g (2.4 oz)			
Drop Specification	Extra durable exterior case withstands multiple 1.5 m (5 ft) drops to concrete			
Antimicrobial Rating (JIS Z2801:2000 Test) Biosafe HM4100, EPA# 83019-1	N/A	2.49 on MRSA 6.07 if cleaned with Sani-Cloth Plus cloth wipes	N/A	2.49 on MRSA 6.07 if cleaned with Sani-Cloth Plus cloth wipes
Built-in Stylus Tip	Included, works on Pocket PC or other resistive device touch screens <i>Support for capacitive device screens coming soon.</i>		<i>Stylus tip coming soon for 7Xi and 7XiRx.</i>	
Temperature	Operating: +32 to +122°F (0 to +50°C) Storage: -22 to +158°F (-30 to +70°C) Ranges may vary with battery shelf life.			
Relative Humidity	5% to 95% non-condensing			
Ambient Light	0 to 100,000 lux			
Battery Type	One Lithium ion rechargeable battery			
Battery Life / Charging Time	Battery Life: 10 hours on single charge Charging Time: with AC adapter: approx. 3 hours			
Scanner Type	Omni-Directional Imager (2D)			
Scans Barcodes on Device Screens	✓	✓	✓	✓
Direct Part Marking (DPM) Support	✓	✓	✓	✓
Vibrate Mode for Good Scans	✓	✓	✓	✓
Symbologies Decoded	1D: Bookland EAN (ISBN / EAN-13), Codabar (including ISBT 128 bit concatenation), Code 11, Code 128, Code 39, Code 93, Discrete 2 of 5, GS1 DataBar (RSS), GS1-128 (UCC-128/EAN-128), Interleaved 2 of 5 (ITF-14), MSI, Plessey, UPC/EAN 2D: Aztec, Codablock, Data Matrix, GS1 (EAN.UCC), Matrix 2 of 5, Maxicode, PDF 417/ Macro PDF 417/ Micro PDF 417, QR Code, Standard 2 of 5, Telepen, TLCode 39 Postal: Australia Post, BPO 4, Canada Post, Dutch Post (KIX), Japan Post, Planet, Postnet, RM4SCC, Sweden Post, TLCode 39, 4 State Code, USPS Intelligent Mail			
Scan Repetition Rate	Omni-Directional / Auto-Adaptive 2D mode: 56 images/second 1D mode: 200 images/second			
Optical Resolution	752(H) x 480(V) pixels, 256 gray levels			
Print Contrast	Down to 25%			
Scan Angle	Horizontal: 38.9° Vertical: 25.4°			
Decode Distance	4.8 to 40.6 cm (1.9 to 16 in.) Depends on symbol size, symbology, label media, W-N ratio, scan angle.			
Bluetooth Profile Support	Human Interface Device (HID) and Serial Port Profile (SPP) Some OS versions or device models support only one profile.			
Bluetooth Protocol	Bluetooth 2.1 + EDR (Enhanced Data Rates) with 56 bit data encryption, Bluetooth QD ID B0164000			
Bluetooth Frequency	2.4 to 2.4835 GHz ISM band, supports Advanced Frequency Hopping			
Radio Range	Class 1 Bluetooth: Up to 330 ft (100 m), depending on environment			
OS Support	Please use online compatibility checker for specific device models, OS versions, etc. <a href="http://www.socketmobile.com/compatibilitychecker/">http://www.socketmobile.com/compatibilitychecker/</a>			
• Apple iOS, Mac OS	✓	✓	✓	✓
• Android OS	✓	✓	✓	✓
• BlackBerry OS	✓	✓	✓	✓
• Windows 7, Vista, XP, Mobile	✓	✓	✓	✓
• QNX	✓	✓	✓	✓
Apple iOS certified	N/A - Works only in Bluetooth HID mode with Apple iOS devices		Certified for iPad, iPhone, iPod touch. Features authentication chip to support Bluetooth SPP with iOS devices. Requires SDK or compatible app, see <a href="http://www.socketmobile.com/appstore">http://www.socketmobile.com/appstore</a>	
SocketScan™ 10 Software	Keyboard wedge software included for Android, BlackBerry, Windows. SDK sold separately or with 7XRx / 7XiRx <a href="http://www.socketmobile.com/products/sdk/">http://www.socketmobile.com/products/sdk/</a>			
Included Items	CHS barcode scanner, rechargeable battery (pre-installed), USB AC charger kit, Lanyard, Software			
Warranty	Scanner: One year Accessories: 90 days			
SocketCare™ Service Program	Sold separately. SocketCare Plus 2 Year SKU# SC1804-1349 SocketCare Plus 3 Year SKU# SC1805-1350 <a href="http://www.socketcare.com/">http://www.socketcare.com/</a>			
Electrical Safety / Environmental	Electrical Safety: Certified to IEC 60950-1, UL 60950-1, CAN/CSA C22.2 Environmental: RoHS			
EMI/RFI	FCC Part 15 Class C, RSS 210, iCES 003, C-Tick, CISPR 22, CE EN55022, EN55024, TELECOM			
Laser / LED Safety:	IEC 60825-1, EN 60825-1			

\*Based on elapse time of 5 seconds/scan under typical usage conditions. Battery performance may vary depending on vibrate settings and work environment.

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