# *Bluetooth*® Cordless Hand Scanner (CHS)
## *Series 7*

**socket** mobile

## 1D MODELS

# Lightweight, Pocket-sized, Dependable



Bluetooth®

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, portable

• 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

### HARDWARE FEATURES

• Works with *Bluetooth* enabled PDAs, smartphones, tablets, notebooks and desktop computers:
  - Apple iPod touch, iPhone, iPad and Mac OS®
  - Android OS
  - Windows Mobile, 8, 7, Vista, XP
  - 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

• Apple certified CHS 7Ci, 7Di and 7DiRx support *Bluetooth* SPP connections with iPad, iPhone, iPod touch (Requires SDK or compatible app developed with SDK)[1]

• CHS 7Di, 7DiRx and 7P feature extra durable exterior casing to withstand multiple 6.6 ft (2 m) drops to concrete

• 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 (7Ci, 7Di, 7DiRx and 7P)

• Allows access to Apple iOS on-screen keyboard

• Supports *Bluetooth* HID connections for easy setup with no software installation[2]

• Supports *Bluetooth* SPP connections for advanced scanner control[3]

### 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/

| | | |
|---|---|---|
| **General Purpose** | **7Ci**<br>CX2870-1409 | **Made for** ▯iPod ▯iPhone ▯iPad<br>- Smallest, lightest and most affordable version<br>- Scans up to 20" (51 cm) away<br>- Scans barcodes printed on labels or displayed on device screens<br>- Recommended for ISBN book scanning for book scouting or library apps<br>- Contains authentication chip to allow *Bluetooth* SPP connections with Apple iPad, iPhone and iPod touch (Requires SDK or compatible app)<br>- Also supports Android, Windows, BlackBerry |
| | **7M**<br>CX2860-1296 | - For intensive scanning throughout an entire work shift.<br>- Class 2 laser allows for precise targeting of small barcodes or barcodes in tight spaces, or long-range scanning in hard-to-reach areas like high shelves<br>- Great for indoor scanning of ISBN or VIN (even scans through windshields) |
| **Durable** | **7Di**<br>CX2877-1472 | **Made for** ▯iPod ▯iPhone ▯iPad<br>- Same scanner performance as 7Ci<br>- Extra durable for outdoor use, or demanding operations |
| | **7P**<br>CX2862-1298 | - Efficiently scans thousands of barcodes per day, even on reflective surfaces<br>- Best option for scanning VIN indoors and outdoors - even through windshield<br>- High-performance Class 2 laser can read small or poorly printed barcodes<br>- Extra durable for outdoor use, or demanding operations |
| **Durable Antimicrobial** | **7DiRx**<br>CX2879-1474 | **Made for** ▯iPod ▯iPhone ▯iPad<br>- Same scanner performance as 7Ci<br>- Ideal for healthcare applications like medication administration, charting<br>- Made with antimicrobial materials for healthcare<br>- Extra durable for demanding operations |

[1]CHS 7Ci, 7Di and 7DiRx support *Bluetooth* SPP connections on iOS only with SocketScan 10 SDK v10.0.8 or later or compatible apps developed with the SDK. Find compatible apps at: http://www.socketmobile.com/appstore

[2]HID not supported for BlackBerry OS or iPhone 3G.

[3]SPP not supported for Mac OS or QNX. SPP supported for iOS only with CHS 7Ci, 7Di and 7DiRx and SocketScan 10 SDK version 10.0.8 or later or a compatible apps developed with the SDK.

| CHS Model | 7Ci | 7Di | 7DiRx | 7M | 7P |
|---|---|---|---|---|---|
| Scanner SKU # | CX2870-1409 | CX2877-1472 | CX2879-1474 | CX2860-1296 | CX2862-1298 |
| SocketScan 10 SDK | Subscribe to Developer Program to download, SKU# SW1250-1463 (available only from SocketStore.com) | | | | |
| Dimensions | 5.07 x 1.57 x 1.36 in. (129 x 40.1 x 34.6 mm) | 5.2 x 1.77 x 1.49 in. (132 x 45.1 x 37.9 mm) | | 5.07 x 1.57 x 1.36 in. (129 x 40.1 x 34.6 mm ) | 5.2 x 1.77 x 1.49 in. (132 x 45.1 x 37.9 mm) |
| Total Mass | 1.6 oz (45 g) | approx. 2.4 oz (68 g) | | 1.8 oz (51 g) | approx. 2.4 oz (68 g) |
| Type of Exterior Case | Standard exterior case withstands 4 ft (1.2 m) drops to vinyl-covered concrete | Durable, withstands 6.6 ft (2 m) drops to concrete | | Standard exterior case withstands 4 ft (1.2 m) drops to vinyl-covered concrete | Durable, withstands 6.6 ft (2 m) drops to concrete |
| Antimicrobial Rating (JIS Z2801:2000 Test) Biosafe HM4100, EPA# 83019-1 | N/A | N/A | 2.49 on MRSA 6.07 if cleaned with Sani-Cloth Plus cloth wipes | N/A | N/A |
| Optional Stylus Tip | Coming soon! | | | Included, designed for Pocket PC or other resistive device touch screens | |
| 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 | Sunlight: 0 - 110,000 lux | | | Sunlight: 100,000 lux    Artificial light: 4,844 lux | |
| Battery Type | Two AAA NiMH rechargeable batteries | | | | |
| Battery Life | 19 hours or 11,000 scans[1] | | | 19 hours or 15,000 scans[1] | |
| Battery Charging Time | With AC adapter: approx. 5 hours (under conditions of 0 to +40°C) | | | With AC adapter: approx. 5 hours (under conditions of 0 to +40°C) | |
| Barcode Scanner Performance | | | | | |
| Scanner Type | Imager (1D) | | | Class 2 laser (1D) | |
| Scans Barcodes on Device Screens | ✓ | ✓ | ✓ | | |
| Scans VIN through windshield | | | | ✓ | ✓ |
| Vibrate Mode for Good Scans | ✓ | ✓ | ✓ | | ✓ |
| Symbologies Decoded | Same as 7M/P plus: UPC/EAN/JAN supplemental redundancy, Coupon Report, ISSN EAN, Inverse 1D, ISBT concatenations, Matrix 2 of 5 | | | Bookland EAN (ISBN / EAN-13), Chinese 2 of 5, Codabar, 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 | |
| Scan Repetition Rate | 50 scans/sec | | | 100 scans/sec bi-directional | |
| Optical Resolution | 5 mil minimum | | | 0.004 inch (0.102 mm) min./barcode element width | |
| Print Contrast | Minimum 20% | | | Minimum 25% MRD at 650 nm | |
| Scan Angle | 53.3° ± 3° | | | Wide (default): 47° ±3°    Narrow: 35° ±3° | |
| Decode Distance[2] | 5.7 to 50.8 cm (2.25 to 20 in.) | | | 3.8 to 114+ cm (1.5 to 45+ inches) | |
| *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 100 m (330 ft), depending on environment | | | | |
| OS Support | Please use online compatibility checker for specific device models, OS versions, etc. http://www.socketmobile.com/compatibilitychecker/ | | | | |
| • iOS: iPad, iPhone, iPod touch | ✓ | ✓ | ✓ | ✓ | ✓ |
| • Mac OS | ✓ | ✓ | ✓ | ✓ | ✓ |
| • Android OS | ✓ | ✓ | ✓ | ✓ | ✓ |
| • BlackBerry OS | ✓ | ✓ | ✓ | ✓ | ✓ |
| • Windows 8, 7, Vista, XP, Embedded Handheld, Mobile | ✓ | ✓ | ✓ | ✓ | ✓ |
| • QNX | ✓ | ✓ | ✓ | ✓ | ✓ |
| Apple iOS certified for iPad, iPhone, iPod touch | Certified. Has authentication chip to support *Bluetooth* SPP with iOS | | | N/A - Works only in *Bluetooth* HID mode with Apple iOS | |
| SocketScan™ 10 Software | Keyboard wedge for Android, BlackBerry, Windows included. SDK available separately    http://www.socketmobile.com/products/sdk/ | | | | |
| Included Items | CHS barcode scanner, AAA rechargeable batteries (2), USB AC charger kit, Lanyard/belt clip with retractable tether, Software | | | | |
| Warranty | Scanner: One year    Accessories: 90 days | | | | |
| SocketCare Extended Warranty | Sold separately. SocketCare Plus 2 Year - SKU# SC1804-1349    SocketCare Plus 3 Year - SKU# SC1805-1350    http://www.socketcare.com/ | | | | |
| 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, TELEC[3] | | | | |

[1] *Battery performance may vary depending on vibrate settings and work environment.*
[2] *Depends on symbol size, symbology, label media, W-N ratio, scan angle.*
[3] *7Di/7DiRx not available in Japan.*

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