

## Small, Bright, Lightweight and Easy to Connect

Increase productivity and reduce data errors in mobile business applications with the Socket Bluetooth Cordless Hand Scanner (CHS), a wireless barcode reader for smartphones and tablets that's small, portable and provides fast, industrial-class scanning performance.



- **Designed for Mobility** - Small, light, and portable with up to 14-hours battery life
- **Comfortable** - Ergonomic for comfortable use over extended periods
- **Easy to Connect** - Simply scan a barcode on the screen to quickly pair devices.

### Hardware Features

- Easily connect to Bluetooth enabled smartphones, tablets, PDAs, notebooks and desktop computers:
  - Apple iOS
  - Android OS
  - Windows 8, RT, 7, Vista, XP
  - Windows Embedded Handheld (Windows Mobile)
  - QNX, Linux
  - Mac OS
- Battery Friendly technology enables up to 14-hours battery life on a single charge
- Scanner automatically connects to the last device or computer it paired and connected to
- Wear around neck or attach to belt with included lanyard / belt clip for convenient access to scanner
- LED and beeps indicates good scans, ideal for noisy environments where beeps are hard to hear or applications where beeps must be disabled
- Supports both Bluetooth HID and SPP connections for easy setup with no software installation or advanced scanner control and SDK support

### Special Features for Apple iOS

- Certified by Apple for iPad, iPad mini, iPhone, and iPod touch
- Quickly access Apple iOS on-screen keyboard by pressing a scanner button
- Authentication chip enables two-way communications with Apple devices running a compatible app developed with SocketScan 10 SDK. View apps at: <http://www.socket-mobile.com/appstore>
- App to modify beep, LED, vibrate and other settings

### Software - Android, Windows

- SocketScan 10 keyboard wedge enters scanned data into any app, no custom programming needed
- Socket EZ Pair automates Bluetooth setup - just scan the barcode on the screen to connect
- Suffix support -- automatically add a carriage return or tab after each scan of data
- Data editing -- reformat, extract or manipulate data
- Scanner configuration -- modify beep, LED, vibrate, and symbology settings. View Scanner's battery level

### Software Development Kit (SDK)

- SocketScan 10 SDK available to members of Socket Mobile Developer Program (\$19.95/year) <http://developer.socketmobile.com>

<sup>1</sup>On-screen barcode not compatible with laser scanners. Requires installation of SocketScan 10 software for Android/BlackBerry/Windows or iOS app developed with SDK.

<sup>2</sup>Some smartphones/devices do not support both HID and SPP

|  |   |
|--|---|
|  | <p><b>CHS 7Ci - General Purpose Scanner</b><br/>                     #1 Choice for Tablet-Based Retail Point of Sale<br/>                     Smallest, lightest and most affordable CHS model, available in bright colors to enhance corporate branding in retail or customer service enable personalization, and make scanner easy to find.</p> |
|  | <p><b>CHS 7Mi - Laser Scanners</b><br/>                     For Special Lighting Conditions or Barcode Requirements<br/>                     Featuring a Class 2 laser, the CHS 7Mi work well in bright sunlight, in low light, as well as with barcodes that are small, tightly spaced, on shiny surfaces or behind plastic / glass.</p>         |
|  | <p><b>CHS 7Qi</b><br/>                     For 2D and 1D Barcodes<br/>                     For high performance 2D and 1D barcodes printed or on-screen. Reads barcodes displayed on screen of smartphone, laptop, tablet, etc.</p>   |

| CHS Model                                   | 7Ci   | 7Mi   | 7Qi  |
|---|---|---|--|
| Scanner SKU #                               | Gray: CX2870-1409<br>Yellow: CX2883-1480<br>Red: CX2885-1484<br>Blue: CX2887-1486<br>White: CX2895-1508   | Gray: CX2872-1411<br>Yellow: CX3300-1510<br>Red: CX3302-1512<br>Blue: CX3304-1514<br>White: CX3306-1516   | Gray: CX3308-1528<br>Yellow: CX3310-1530<br>Red: CX3312-1532<br>Blue: CX3314-1534<br>White: CX3316-1536  |
| Dimensions                                  | 5.07 x 1.57 x 1.36 in.<br>(129 x 40.1 x 34.6 mm)  | 5.07 x 1.57 x 1.36 in.<br>(129 x 40.1 x 34.6 mm)  | 5.07 x 1.57 x 1.36 in.<br>(129 x 40.1 x 34.6 mm)   |
| Total Mass                                  | 1.6 oz (45 g)   | 1.8 oz (51 g)   | 1.6 oz (45 oz)   |
| Drop Specification                          | Multiple 3.3 ft (1m) drops to vinyl covered concrete  |   |  |
| Temperature, <sup>1</sup> Relative Humidity | 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  |   |  |
| Ambient Light                               | Sunlight: 0 - 110,000 lux   | Sunlight: 100,000 lux Artificial light: 4,844 lux   | Sunlight: 0 - 110,000 lux  |
| Battery Type                                | Two AAA NiMH rechargeable batteries   |   | One Lithium ion rechargeable battery   |
| Battery Life                                | 14 hours  |   | 10 hours   |
| Scanner type                                | Imager (1D)   | Class 2 laser (1D)  | Omni-directional Imager (2D)   |
| Scan Barcodes on Device Screens             | ✓   |   | ✓  |
| Scans VIN through Windshield                |   | ✓   |  |
| Vibrate Mode for Good Scans                 | ✓   | ✓   | ✓  |
| Symbologies Decoded                         | 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, 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 | 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<br>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<br>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                        | 5 scans/sec   | 5 scans/sec bi-directional  | Omni-Directional / Auto-Adaptive 5 images/sec  |
| Optical Resolution                          | 5 mil minimum   | 0.004 inch (0.102mm) min./barcode element width   | 5 mil minimum  |
| Print Contrast                              | Minimum 20%   | Minimum 25% MRD at 650 nm   | Minimum 20%  |
| Scan Angle                                  | 53.3° ± 3°  | Wide (default): 47° ± 3° Narrow: 35° ± 3°   | 53.3° ± 3°   |
| Decode Distance <sup>3</sup>                | 5.7 to 50.8 cm (2.25 to 20 in.)   | 3.8 to 114+ cm (1.5 to 45+ inches)  | 5.7 to 50.8 cm (2.25 to 20 in.)  |
| Bluetooth Profile Support                   | Human Interface Device (HID) and Serial Port Profile (SPP) Some OS versions or smartphone/tablet models support only one profile.   |   |  |
| Bluetooth Version                           | Bluetooth 2.1 + EDR (Enhanced Data Rates) with 56 bit data encryption   |   |  |
| Radio Range                                 | Up to 10 m (33 ft), depending on environment, range limit is usually due to the Master Device (Phone, Tablet, or Notebook)  |   |  |
| OS Support                                  |   |   |  |
| Apple iOS                                   | ✓   | ✓   | ✓  |
| Android OS                                  | ✓   | ✓   | ✓  |
| Windows 8, RT, 7, Vista, XP                 | ✓   | ✓   | ✓  |
| Windows Embedded Handheld, Mobile, CE       | ✓   | ✓   | ✓  |
| Mac OS                                      | ✓   | ✓   | ✓  |
| SocketScan™ 10 Software                     | Keyboard wedge software featuring Socket EZ Pair for Android, BlackBerry, Windows. Scanner Settings configuration utility also included.  |   |  |
| SocketScan 10 SDK                           | For Apple iOS, Android, BlackBerry, Windows. Available to members of Socket Mobile Developer Program (\$19.94/year) <a href="http://developer.socketmobile.com">http://developer.socketmobile.com</a>   |   |  |
| 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 <a href="http://www.socketcare.com/">http://www.socketcare.com/</a>  |   |  |
| Charging Cradle                             | SKU# AC4054-1381  |   |  |
| DC Power Supply (Car Charger)               | SKU# AC4057-1384  |   |  |
| Battery Replacement Kit:                    | SKU# AC4012-591   | SKU# SV3224-1462  |  |
| 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  |   |  |
| Laser / LED Safety                          | IEC 60825-1, EN 60825-1   |   |  |

<sup>1</sup>Temperature ranges may vary with battery shelf life. <sup>2</sup>Battery life may vary with vibrate settings and work environment. <sup>3</sup>Depends on symbol size, symbology, label media, W-N ratio, scan angle.



|           |                              |               |                  |
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