

COLORFUL



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.

CHS 7Ci - General Purpose Scanner

#1 Choice for Tablet-Based Retail Point of Sale
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.

CHS 7Mi - Laser Scanners

For Special Lighting Conditions or Barcode Requirements
Featuring a Class 2 laser, the CHS 7Mi works well in bright sunlight, in low light, as well as with barcodes that are small, tightly spaced, on shiny surfaces or behind plastic or glass.

CHS 7Qi - For 2D and 1D Barcodes

For high performance 2D and 1D barcodes printed or on-screen.
Reads barcodes displayed on screen of smartphone, laptop, tablet, etc.

Software Development Kit (SDK)

- SocketScan 10 SDK available to members of Socket Mobile Developer Program (\$19.95 (€19.95)/year)

Hardware Features

- Easily connect to Bluetooth enabled smartphones, tablets, PDAs, notebooks and desktop computers:
 - Apple® iOS
 - Android® OS
 - Windows® 8, 7, Vista, XP
 - Windows Embedded Handheld (Windows Mobile)
 - Mac OS
- Made with antimicrobial plastics to provide an extra layer of protection to the device against the spread of potentially harmful microbes
- 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 support²

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.socketmobile.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 connect¹
- 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

¹On-screen barcode not compatible with laser scanners. Requires installation of SocketScan 10 software for Android/Black/Berry/Windows or iOS App developed with SDK.

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

| CHS Model | 7Ci | 7Mi | 7Qi |
|---|---|---|--|
| Scanner SKU # | Blue: CX2887-1486 Gray: CX2870-1409 Green: CX3351-1662 Red: CX2885-1484 White: CX2895-1508 Yellow: CX2883-1480 | Blue: CX3304-1514 Gray: CX2872-1411 Green: CX3352-1663 Red: CX3302-1512 White: CX3306-1516 Yellow: CX3300-1510 | Blue: CX3314-1534 Gray: CX3308-1528 Green: CX3353-1664 Red: CX3312-1532 White: CX3316-1536 Yellow: CX3310-1530 |
| Dimensions | 5.07 x 1.57 x 1.36 in. (129 x 40.1 x 34.6 mm) | 5.07 x 1.57 x 1.36 in. (129 x 40.1 x 34.6 mm) | 5.07 x 1.57 x 1.36 in. (129 x 40.1 x 34.6 mm) |
| Total Weight | 1.6 oz (45 g) | 1.8 oz (51 g) | 1.6 oz (45 g) |
| Drop Specification | Multiple 3.3 ft (1m) drops to vinyl covered concrete | | |
| Temperature, ¹ 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 or 15,000 scans per charge | | ~10 hours or 5,000 scans per charge |
| 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 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 | 5 scans/sec | 5 scans/sec bi-directional | Omni-Directional / Auto-Adaptive 5 images/sec |
| Optical Resolution | 5 mil minimum | 0.004 in. (0.102mm) min./barcode element width | 752(H) x 480(V) pixels, 256 gray levels |
| Print Contrast | Minimum 20% | Minimum 25% MRD at 650 nm | Down to 25% |
| Scan Angle | 53.3° ± 3° | Wide (default): 47° ± 3° Narrow: 35° ± 3° | Horizontal: 38.9° Vertical: 25.4° |
| Decode Distance ³ | 5.7 to 50.8 cm (2.25 to 20 in.) | 3.8 to 114+ cm (1.5 to 45+ in.) | 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 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, 7, Vista, XP | ✓ | ✓ | ✓ |
| Windows Embedded Handheld, Mobile | ✓ | ✓ | ✓ |
| Mac OS (HID only) | ✓ | ✓ | ✓ |
| 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 (\$19.95/year) http://developer.socketmobile.com | | |
| Included Items | CHS barcode scanner, AAA NMH 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/ | | |
| Charging Cradle | SKU# AC4054-1381 | | |
| DC Power Supply (Car Charger) | SKU# AC4057-1384 | | |
| Battery Replacement Kit: | Two AAA NiMH Rechargeable Batteries | | SKU# AC4059-1479 |
| 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 | | |

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

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