

Small, Durable 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-hour battery life on a single charge
- 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 withstand multiple 6.6 ft (2m) drops to concrete. Watch video at: <http://www.youtube.com/watch?v=fSAeVdiUUXE>
- White antimicrobial version for healthcare, food service & 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 worksites where beeps are hard to hear or noise-sensitive applications where beeps must be disabled
- Quickly access Apple iOS on-screen keyboard with special "double press" scanner button feature
- Supports Bluetooth HID connections for easy setup with no software installation¹
- Supports Bluetooth SPP connections for advanced scanner control²

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: automatically add a carriage return or tab after each scan of data
- Software utility enables you to configure beep, LED and vibrate settings, enable / disable symbology (barcode type) and monitor scanner battery level
- Determine the symbology or length of a barcode
- SocketScan 10 SDK available with subscription to Socket Mobile Developer Program (\$19.95 / year) <http://www.socketmobile.com/support/Developer/>

¹HID not supported for BlackBerry OS or iPhone 3G

²SPP not supported for Mac OS or QNX. For iOS support with Bluetooth SPP, the SDK or a compatible app is required.

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| | CHS 7Di and 7DiRx Ideal for field sales and field service, the CHS 7Di is durable to withstand multiple drops to concrete, with a protective rubber bumper and rubber sealings. The CHS 7DiRx is a white antimicrobial version for healthcare. |
| | CHS 7Pi For Special Lighting Conditions or Barcode Requirements. Featuring a Class 2 laser, the CHS 7Pi 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. |
| | CHS 7Xi and 7XiRx High performance for scanning 2D and 1D barcodes, printed or on-screen. Reads barcodes displayed on screen of smartphone, laptop, tablet, etc. Extra durable for outdoor use or fast, demanding operations. |

| CHS Model | 7Di | 7DiRx | 7Pi | 7Xi | 7XiRx |
|---|---|--|---|--|--|
| Scanner SKU # | Gray: CX2877-1472 | Antimicrobial: CX2879-1474 | Gray: CX2874-1413 | Gray: CX2864-1336 | Antimicrobial: CX2866-1338 |
| Dimensions / Total Mass | 5.2 X 1.77 X 1.49 in. (132 x 45.1 x 37.9 mm) | | | | |
| Drop Specification | Extra durable exterior case withstands multiple 6.6 ft (2 m) drops to concrete | | | | |
| Temperature | Operating Temperature: +32 to +122°F (0 to + 50°C) Storage Temperature: -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 - 110,000 lux | | | | |
| 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 | N/A | 2.49 on MRSA 6.07 if cleaned with Sani-Cloth Plus cloth wipes |
| Battery Type | Two AAA NiMH rechargeable batteries | | | One Lithium ion rechargeable battery | |
| Battery Life | 14 hours | | | 10 hours | |
| Scanner type | Imager (1D) | | Laser (1D) | Omni-Directional Imager (2D) | |
| Scan Barcodes on Device Screens | ✓ | ✓ | | ✓ | ✓ |
| Direct Part Marking (DPM) Support | ✓ | ✓ | ✓ | ✓ | ✓ |
| 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, RM45CC, 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 / second | |
| Optical Resolution | 5 mil minimum | | 0.004 inch (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+ inches) | 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 100 m (330 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, Windows. Available to members of Socket Mobile Developer Program (\$19.94/year) http://developer.socketmobile.com | | | | |
| Included Items | CHS barcode scanner, AAA rechargeable batteries (2), USB AC charger kit, lanyard/belt clip with retractable tether, software | | | CHS barcode scanner, rechargeable battery (pre-installed), USB AC charger kit, Lanyard 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# AC4055-1382 | SKU# AC4056-1383 | SKU# AC4055-1382 | SKU# AC4055-1382 | SKU# AC4056-1383 |
| DC Power Supply (Car Charger) | SKU# AC4057-1384 | | | | |
| Battery Replacement Kit: | SKU# AC4059-1479 | | | SKU# SV3224-1462 | |
| Electrical Safety / Environmental | 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 | | | | |

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.



Worldwide

Toll-Free

sales@socketmobile.com

+1 510 933 3000

+1 800 552 3300 (USA/Canada)

EMEA

UK

Asia Pacific

Latin America

+32 479 49 64 54

+44 7787 112109

+1 510 933 3122

+1 510 933 3153