

Small, 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.



Photo: Quiktrak Revoquest



- **Designed for Mobility** — Small, light, and portable with 19-hour battery life
- **Comfortable** — Ergonomic for comfortable use over extended periods
- **Easy to Connect** — Simply scan a barcode on the screen to quickly pair devices¹

7Ci	General Purpose Scanner - CHS 7Ci #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
7Di 7DiRx	Durable Scanners - CHS 7Di and 7DiRx For More Rugged Environments 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.
7Mi 7Pi	Laser Scanners - CHS 7Mi and 7Pi For Special Lighting Conditions or Barcode Requirements Featuring a Class 2 laser, the CHS 7Mi and 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. The CHS 7Pi is a durable version that withstands multiple drops to concrete.

HARDWARE FEATURES

- Easily connect to *Bluetooth* enabled smartphones, tablets, PDAs, notebooks and desktop computers:
 - Apple iOS and Mac OS
 - Android OS
 - Windows 8, RT, 7, Vista, XP
 - Windows Embedded Handheld (Windows Mobile)
 - BlackBerry OS, QNX, Linux
- Enjoy wireless freedom with a long-range *Bluetooth* connection up to 330 ft (100 m)
- Battery Friendly* technology enables extensive 19-hour 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 indicate good scan, connection, and power status
- Vibrate mode 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, BLACKBERRY

- 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

SOFTWARE DEVELOPMENT KIT (SDK)

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

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

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

CHS Model	7Ci	7Di	7DiRx	7Mi	7Pi
Scanner SKU #	Gray: CX2870-1409 Yellow: CX2883-1480 Red: CX2885-1484 Blue: CX2887-1486	CX2877-1472	CX2879-1474	CX2872-1411	CX2874-1413
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)
Durable with Protective Rubber Bumper and Rubber Sealings		✓	✓		✓
Drop Specification	Multiple 3.3 ft (1 m) drops to vinyl covered concrete	Multiple 6.6 ft (2 m) drops to concrete		Multiple 3.3 ft (1 m) drops to vinyl covered concrete	Multiple 6.6 ft (2 m) drops to concrete
Antimicrobial Rating (JIS Z2801:2000 Test) Biosafe HM4100, EPA# 83019-1	Red and blue models only. Same ratings as CHS 7DiRx.	N/A	2.49 on MRSA 6.07 if cleaned with Sani-Cloth Plus cloth wipes	N/A	N/A
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	
Battery Type	Two AAA NiMH rechargeable batteries				
Battery Life	19 hours or 11,000 scans ²			19 hours or 15,000 scans ²	
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 7Mi/Pi 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	5 scans/sec			5 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 ³	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 smartphone/tablet models support only one profile.				
Bluetooth Version	Bluetooth 2.1 + EDR (Enhanced Data Rates) with 56 bit data encryption, Bluetooth QD ID B0164000				
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/				
• Apple iOS, Mac OS	✓	✓	✓	✓	✓
• Android OS	✓	✓	✓	✓	✓
• BlackBerry OS	✓	✓	✓	✓	✓
• Windows 8, RT, 7, Vista, XP	✓	✓	✓	✓	✓
• Windows Embedded Handheld, Mobile, CE	✓	✓	✓	✓	✓
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 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/				
Regulatory Compliance					
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				

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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