

Lightweight, Pocket-sized, Dependable









The Socket *Bluetooth* Cordless Hand Scanner (CHS) Series 7 brings efficient, industrial-class barcode scanning into a portable, pocket-sized form factor.

Designed for Mobility:

- Small, light, and portable with long battery life
- Wireless with long-range *Bluetooth* connection
- Excellent ergonomics ensure comfortable use over extended periods
- Easy integration with applications on diverse mobile computing platforms



General Purpose 	7Ci Gray: CX2870-1409 Yellow: CX2883-1480	Made for  - Smallest, lightest and most affordable version - Scans up to 20" (51 cm) away - Scans barcodes printed on labels or displayed on device screens - Recommended for retail point of sale and ISBN book scanning - Contains authentication chip to allow <i>Bluetooth</i> SPP connections with Apple iPad, iPhone and iPod touch (Requires SDK / compatible app made with SDK) - Also supports Android, Windows, BlackBerry
	7M Gray: CX2860-1296	- For intensive scanning throughout an entire work shift. - 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 - Great for indoor scanning of ISBN or VIN (even scans through windshields)
Durable 	7Di CX2877-1472	Made for  - Same scanner performance as 7Ci - Durable for outdoor use or demanding operations
	7P CX2862-1298	- Efficiently scans thousands of barcodes per day, even on reflective surfaces - Best option for scanning VIN indoors and outdoors - even through windshield - High-performance Class 2 laser can read small or poorly printed barcodes - Durable for outdoor use or demanding operations
Durable Antimicrobial 	7DiRx CX2879-1474	Made for  - Same scanner performance as 7Ci - Ideal for medical applications like medication administration, nurse charting - Made with antimicrobial materials for healthcare - Durable for demanding operations

HARDWARE FEATURES

- Works with diverse *Bluetooth* enabled smartphones, tablets, PDAs, notebooks and desktop computers:
 - Apple iPad, iPhone, iPod touch and Mac OS*
 - Android OS
 - Windows Embedded Handheld, 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/compatible app made with SDK)¹
- CHS 7Di, 7DiRx and 7P feature durable exterior casing to withstand multiple 6.6 ft (2 m) drops to concrete
- Scanner automatically connects to the last device or computer it paired and connected to
- LED and beeps indicate good scan, connection, and power status
- Most models have vibrate mode to indicate good scans. Ideal for noisy workplaces where beeps are hard to hear or 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 installation²
- Supports *Bluetooth* SPP connections for advanced scanner control and SDK support³
- Optional charging cradles sold separately

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
- 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/products/sdk/>

¹CHS 7Ci & 7Di(Rx) support *Bluetooth* SPP connections on iOS only with SDK 10.0.8 or later/compatible apps made with SDK

²HID not supported for BlackBerry OS or iPhone 3G

³SPP not supported for Mac OS or QNX. SPP supported for iOS only with CHS 7Ci & 7Di(Rx) and SDK 10.0.8 or later or compatible apps developed with SDK

CHS Model	7Ci	7Di	7DiRx	7M	7P
Scanner SKU #	Gray: CX2870-1409 Yellow: CX2883-1480	CX2877-1472	CX2879-1474	CX2860-1296	CX2862-1298
SocketScan 10 SDK	Supports iOS, Android, BlackBerry, Windows. Subscribe to Developer Program to download, SKU# SW1250-1463. Sold only at http://www.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 Casing / Drop Specification	Standard Exterior: withstands 3.3 ft (1 m) drops to vinyl covered concrete	Durable Exterior: withstands 6.6 ft (2 m) drops to concrete	Durable Exterior: withstands 6.6 ft (2 m) drops to concrete	Standard Exterior: withstands 3.3 ft (1 m) drops to vinyl covered concrete	Durable Exterior: 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
Stylus Tip	N/A			For resistive device touchscreens, including Pocket PC	
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)				
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	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 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	✓	✓	✓	✓	✓
• Windows Embedded Handheld, Mobile	✓	✓	✓	✓	✓
Apple iOS certified	Certified for iPad, iPhone, iPod touch. Authentication chip enables 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				
Laser / LED Safety	IEC 60825-1, EN 60825-1				

¹Battery performance may vary depending on vibrate settings and work environment. ²Depends on symbol size, symbology, label media, W-N ratio, scan angle. ³7Di/7DiRx not sold in Japan.



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