socket

m o b i l e

Bluetooth Cordless Hand Scanner (CHS)
Series 7

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.
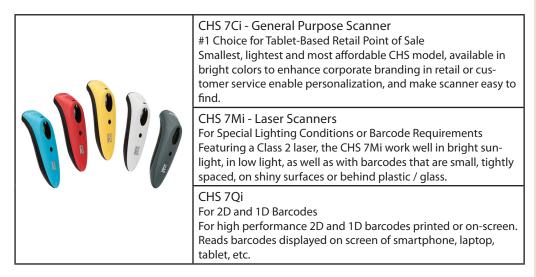

Bluetooth®

Made for
iPod iPhone iPad

- **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.

	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 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 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.

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 to14-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

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

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

CHS Model	7Ci	7Mi	7Qi
Scanner SKU #	Gray: CX2870-1409 Yellow: CX2883-1480 Red: CX2885-1484 Blue: CX2887-1486 White: CX2895-1508	Gray: CX2872-1411 Yellow: CX3300-1510 Red: CX3302-1512 Blue: CX3304-1514 White: CX3306-1516	Gray: CX3308-1528 Yellow: CX3310-1530 Red: CX3312-1532 Blue: CX3314-1534 White: CX3316-1536
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 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,[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 rechargable 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 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 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[3]	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) 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/		
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		

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

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