socket® mobile

socketmobile.com

Made for iPod iPhone iPad

Bluetooth®

SMALL, DURABLE AND EASY TO CONNECT

Increase productivity and reduce data errors in mobile business applications with the Socket Mobile Cordless Hand Scanner (CHS) with *Bluetooth®* wireless technology, 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

CHS 7Di

Ideal for field sales and field service, the CHS 7Di and 7DiRx is durable to withstand multiple drops to concrete, with a protective rubber bumper and rubber sealings.

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 or glass.

CHS 7Xi

High performance for scanning 1D and 2D barcodes, printed or onscreen. Reads barcodes displayed on screen of smartphone, laptop, tablet, etc. Durable for outdoor use or fast, demanding operations.

Hardware Features

- Easily connect to Bluetooth® enabled smartphones, tablets, PDAs, notebooks and desktop computers:
  - Apple® iOS
  - Android®
  - Windows® 10, 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-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)
- Durable exterior casing withstand multiple 6.6 ft (2m) drops to concrete.
- Made with antimicrobial plastics to provide an extra layer of protection to the device against the spread of potentially harmful microbes
- 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 diabled
- Quickly access Apple iOS on-screen keyboard with special "double press" scanner button feature
- Supports Bluetooth HID connections for easy setup with no software installation[1] (when in HID mode)
- Supports Bluetooth SPP connections for advanced scanner control[2]

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) developer.socketmobile.com

[1]HID not supported for BlackBerry OS or iPhone 3G
[2]SPP not supported for Mac OS or QNX. For iOS support with Bluetooth SPP, the SDK or a compatible app is required.

CHS Model	7Di	7Pi	7Xi
Scanner SKU #	Gray: CX2877-1472	Gray: CX2874-1413	Gray: CX2864-1336
Dimensions / Total Mass	5.2 X 1.77 X 1.49 in. (132 x 45.1 x 37.9 mm) / Total Mass: approx. 3.2 oz (90.7 g)		
Drop Specification	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		
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)	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, 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 / second
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 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, 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, Windows. Available to members of Socket Mobile Developer Program ($19.95/year) http://developer.socketmobile.com		
Included Items	CHS barcode scanner, AAA NiMH 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 3 Year - SKU# SC1805-1350 SocketCare Plus 5 Year - SKU# SC1835-1671 http://www.socketcare.com/		
Charging Cradle	SKU# AC4102-1695		
Charging Stand	SKU# AC4076-1538		
DC Power Supply (Car Charger)	SKU# AC4057-1384		
Battery Replacement Kit:	Two AAA NiMH Rechargeable Batteries		SKU# AC4059-1479
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.