

# Socket Cordless Hand Scanner 7P

with *Bluetooth*® Wireless Technology

Scan Bar Code Data Wirelessly into  
Your *Bluetooth* Enabled Mobile Computer



If you need to collect bar coded data but don't want to be tied to your mobile or desktop computer, Socket's Cordless Hand Scanner (CHS) 7P with *Bluetooth* wireless technology is just what you're looking for! This innovative device combines the power of laser bar code scanning with the convenience of *Bluetooth* wireless technology in a single compact, ruggedized device that is ergonomically designed to fit comfortably in your hand.

The CHS features "fuzzy logic" technology, which makes it possible to scan even damaged, poor quality or hard-to-read bar codes. For maximum performance, the robust and ruggedized CHS 7P features a powerful Class 2 laser with fuzzy logic so that you can successfully scan in the harshest conditions, even VIN bar codes through car windshields outdoors in broad daylight!

Socket's exclusive *Error Proof Protocol* (patent pending) ensures that scanned data is correctly received by the host computer and allows for real-time validation of data and notification to the user in case of errors.

Socket's CHS 7P features a powerful *Bluetooth* radio that offers a secure connection to your mobile computer without the hassle of cables or the awkwardness of a protruding antenna. Plus, the CHS 7P has a rugged, dust and shock resistant casing that can sustain multiple drops at 5 feet.

## Mobility Friendly™ Design

The Cordless Hand Scanner uses minimal power, so you can use it for a full workday without having to recharge batteries. The included SocketScan™ software directs scanned data into any Windows, Palm, RIM or Symbian application as if it were manually typed. Plus, Socket's renowned *Bluetooth* technology makes it easy to establish and maintain a reliable connection between the CHS and host computer.



# Cordless

## General Features

- Compatible devices if *Bluetooth* enabled:
  - Pocket PC running:
    - Windows Mobile 5.0, 2003/2003SE
    - Windows CE 3.0 or greater
  - Windows XP Tablet or Notebook PC
  - Palm PDA (Palm OS 5.2 or later)
  - RIM BlackBerry
  - Symbian Smartphone (Series 60/80)
- Exclusive *Error Proof Protocol* (pat. pend.):
  - Prevents errors in wireless transmission of data to host computer
  - Allows for real-time data validation
  - Good scan signal appears only after data is received and confirmed by host
- Rugged case design:
  - Withstands multiple 5-foot drops
  - Dust and shock resistant
  - Water resistant (IP54) in Jan 2006
- Powered by on 2 rechargeable AAA NiMH batteries. 110-250V AC charge module included. Optional charging cradle available
- Expected battery life (typical operating conditions): 8,000 scans in 10 hours
- Battery status warning light
- Standard alkaline batteries can be used
- Stylus tip doubles as a stylus for PDA touch screens (patent pending)
- Attachment point for lanyard/belt clip (included) or wrist strap

## Scanning Features

- Class 2 laser with fuzzy logic designed for demanding scanning requirements
- SocketScan™ keyboard emulation software directs scanned data into any Windows, Palm, RIM or Symbian program
- Add Prefix and/or Suffix functions, such as Carriage Return and Tab, to further eliminate manual keystrokes
- Any of 19 bar code symbologies can be easily enabled or disabled with SocketScan's "Symbology Selector"
- SocketScan "Scan Demo" for Pocket PCs reports the symbology, length and decoded data of any scanned bar code

## Bluetooth Features

- Class 1 *Bluetooth* radio has maximum range of 330 ft (100 m)
- Uses *Bluetooth* Serial Port profile
- Connection indicator light

# Socket Cordless Hand Scanner

with Bluetooth® Wireless Technology



## Cordless Hand Scanner with Bluetooth Wireless Technology

CHS 7P: SKU# CX2802-491

Items not shown to scale and may vary slightly from those shown.



### In the Box: (clockwise from top left)

- Cordless Hand Scanner 7P with Bluetooth Wireless Technology
- AC Charger with plugs for U.S., Europe, U.K., Australia
- 2 NiMH rechargeable AAA batteries
- Installation CD
- Lanyard/belt clip with retractable tether
- Optional charging cradle (not shown)



## SPECIFICATIONS

### Physical Characteristics

Size: 125l x 31h x 35w (mm)  
4.9l x 1.2h x 1.4w (in.)  
Total Mass: approx. 90 g (3.2 oz)

**Power Source:** Two AAA NiMH rechargeable batteries

### Expected Battery Life - Typical Usage

with Bluetooth connection:  
Minimum 8,000 scans in 10 hours

### Ruggedized Case Design

- Withstands multiple 5-ft drops to concrete
- Dust and shock resistant
- Water resistant (IP54) in Jan 2006

**Operating Temp:** 32 to 120°F (0 to 50°C)

### Operating System Support

- Windows Mobile 5.0, 2003/2003SE
- Windows CE 3.0 or greater
- Windows XP, XP Tablet Edition
- Palm OS v5.2 or greater
- RIM
- Symbian Series 60/80

**Interface Standards:** Bluetooth Serial Port

**Warranty:** Two years

### Scanning Characteristics

#### Bar Code Symbolologies Decoded:

UPC/EAN, Code 39, Code 128, RSS-14, Code 93, MSI, Codabar, I 2 of 5, D 2 of 5

#### Laser Scanner Performance:

##### Scan Repetition Rate:

50 (± 3) scans/sec (bi-directional)

**Decode Distances:** 2.2 to 30+ inches depends on bar code size, symbology, label media, W-N Ratio, scan angle

For more information, please refer to the User's Guide: [www.socketcom.com/support/support\\_cordless.asp](http://www.socketcom.com/support/support_cordless.asp)

**Laser with Fuzzy Logic:** Class 2

Other versions available (non-ruggedized):

- CHS 7M with Class 1 laser
- CHS 7E with CMOS linear imager

### SocketScan™ Software:

- Reads bar code data into any Windows, Palm, RIM or Symbian application as if it were manually typed
- Lets you add Prefixes and/or Suffixes (e.g., Carriage Return or Tab) to further eliminate manual keystrokes
- Lets you assign a beep tone or .WAV file to signal a good scan
- Lets you easily enable/disable any of 19 supported symbologies
- Scan Demo (Pocket PC only) reports the symbology, length and decoded data (in ASCII or Hex) of any scanned bar code (among 19 supported symbologies)

### Bluetooth Characteristics

**Protocol:** Bluetooth 2.45 GHz ISM band frequency hopping

**Antenna:** Integrated

**Radio Range:** Up to 330 ft (100 m), depending on environment

**Connection:** Point-to-point

**Security:** Encrypted link

**RF Power:** Class 1 radio; Typ. Output: 14 dbm

### Certification/Compliance

FCC: Part 15, Class B

CE: EN55024:1998 C-TICK: s.182

Bluetooth 1.1 TELECOM

ETS 300 328

ETS 300 826



## ADDITIONAL PRODUCT INFORMATION

### Sales Offices

#### Corporate Headquarters:

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Learn about Class 1 and Class 2 lasers:

[www.socketcom.com/pdf/TechBriefClass1Class2.pdf](http://www.socketcom.com/pdf/TechBriefClass1Class2.pdf)

Learn about vertical scanning solutions:

[www.socketcom.com/solutions](http://www.socketcom.com/solutions)

Information is subject to change.

