

# Socket<sup>®</sup> with Bluetooth<sup>®</sup> Wireless Technology Cordless Hand Scanner 7E<sup>™</sup>

## Cordless

### Scan Bar Code Data Wirelessly into a *Bluetooth* Enabled Pocket PC, BlackBerry, Palm PDA, Notebook or Tablet PC

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



The entry-level CHS 7E brings a new level of affordability and convenience to mobile data collection that combines low power consumption with wireless performance. Just launch the included SocketScan software, connect the devices wirelessly with *Bluetooth*, and read bar code data with the press of a button. The CHS uses minimal power, so you can scan for 10 hours before having to recharge.

#### Powerful *Bluetooth* Radio

*Bluetooth* wireless technology transforms how devices connect with each other, providing you with mobility like never before. The CHS features a powerful Class 1 *Bluetooth* radio that enables connections at the maximum possible range of 300 feet (100 m) — even when connected to the weaker Class 2 *Bluetooth* radios found in many mobile computers.



#### Error Proof Data and Automatic Connections

The Socket Error Proof Protocol<sup>™</sup> (patent pending) ensures that the host computer correctly receives the scanned data, by validating data in real time. Socket Connect!Agent<sup>™</sup> software for Windows Mobile and XP makes *Bluetooth* easy to use by automatically configuring and managing the wireless connection. Connect!Agent runs in the background and requires no user interaction.

#### SocketScan<sup>™</sup> Software

SocketScan enters scanned data directly into any Windows, Palm, Symbian, or RIM program as if it has been manually typed, so you can use the Socket CHS with your favorite application.



#### General Features

- Compatible devices if *Bluetooth* enabled:
  - Pocket PC or other device running: Windows Mobile 2003, 2003SE, 5.0 Windows CE 3.0 or greater
  - Windows XP notebook/tablet/desktop
  - Palm PDA (Palm OS 5.2 or greater)
  - Symbian Series 60/80 Smartphone
  - RIM BlackBerry
- Exclusive *Error Proof Protocol* (pat. pend.):
  - Prevents errors in wireless transmission of data to host computer
  - Provides real-time data validation
  - Good scan signal appears only after data is received and confirmed by host
- Powered by 2 rechargeable AAA NiMH batteries. 110-250V AC charge module included
- Expected battery life — typical usage conditions: 8,000 scans in 10 hours
- Battery status warning light
- Standard alkaline batteries can be used
- Built-in stylus tip for PDA touch screens
- Attachment point for lanyard/belt clip (included) or wrist strap

#### Scanning Features

- State-of-the-art linear CMOS imaging technology
- Versions 7M/7P available with Class 1 or 2 laser and "fuzzy logic" for more demanding scanning requirements
- SocketScan keyboard emulation software sends scanned data into any Windows, Palm, Symbian or RIM program
- Automatically add Prefix and/or Suffix functions, such as Carriage Return and Tab, to further reduce manual keystrokes
- Easily enable/disable any of the 19 supported bar code symbologies
- 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 300 ft (100 m)
- Connect!Agent software automatically configures and manages the *Bluetooth* connection
- Uses *Bluetooth* Serial Port profile
- Connection indicator light

# Socket Cordless Hand Scanner

with Bluetooth® Wireless Technology



**Cordless Hand Scanner with Bluetooth Wireless Technology**

**CHS 7E: SKU# CX2804-493**

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



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

- Cordless Hand Scanner 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



## SPECIFICATIONS:

### Physical Characteristics

Size: 125l x 31h x 35w (mm)  
4.9l x 1.2h x 1.4w (in.)  
Total Mass: approx. 70 g (2.47 oz)

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

**Expected Battery Life with Normal Operation** connected via Bluetooth:  
Minimum 8,000 scans in 10 hours

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

### Operating System Support

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

### Interface Standards:

Bluetooth Serial Port Profile

### Scanning Characteristics

#### Bar Code Symbolologies Decoded:

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

**Decode Distances:** 1.5 to 24+ inches depends on symbol size, symbology, label media, W-N Ratio, scan angle.

For more information, refer to the *User's Guide*: [www.socketcom.com/support/](http://www.socketcom.com/support/)

### Certification/Compliance:

FCC: Part 15, Class B

CE: EN55024:1998

Bluetooth 1.1

ETS 300 328

C-TICK: s.182

TELEC

ETS 300 826

### Included Software:

- SocketScan reads bar code data into any Windows, Palm, Symbian or RIM program as if it were manually typed
- Connect!Agent for Windows Mobile and XP makes Bluetooth easy to use by automatically configuring and managing the wireless connection

### 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  
Typical Output: 14 dbm

### Supported Bluetooth Stacks for Windows:

- Socket Drakar v1.4 (Socket SD/CF card)
- IVT BlueSoleil v.1.6.1.4 (Socket CF/USB)
- Broadcom (Widcomm) v1.4
- Microsoft Bluetooth stack for Windows Mobile
- Microsoft Windows XP SP2
- Toshiba Bluetooth stack v3.03.06 or greater for Windows XP

*Note: Other Bluetooth stacks may be compatible for Windows but have not been tested by Socket. For Windows XP, the optional Connect!Agent software works only with the Socket (IVT) and Microsoft Bluetooth stacks.*

**Warranty:** Two years

## ADDITIONAL PRODUCT INFORMATION

### Sales Offices

#### Corporate Headquarters:

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Learn about applications compatible with the CHS for asset tracking, merchandising, and other vertical markets at: [www.socketcom.com/solutions](http://www.socketcom.com/solutions)

Learn about the difference between laser and linear CMOS scanning at: [www.socketcom.com/about/techbrief.asp](http://www.socketcom.com/about/techbrief.asp)

