

Socket[®] with Bluetooth[®] Wireless Technology

Cordless Hand Scanner Series 7

Cordless

Scan Bar Code Data Wirelessly into Your *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) Series 7 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 compact, lightweight device that is ergonomically designed to fit comfortably in the palm of your hand.



Scanning with the Latest Laser Technology

The CHS is available in two laser versions — the CHS 7M (Class 1 laser) and CHS 7P (Class 2 laser). Both feature the latest laser technology, so you can scan even damaged, poor-quality or hard-to-read bar codes. The robust CHS 7P offers maximum performance, enabling you to successfully scan in the harshest conditions — even VIN bar codes through car windshields outdoors in broad daylight! The CHS uses minimal power, so you can scan at least 8,000 times before you need to recharge the batteries.



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 — 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 ensures that the host computer correctly receives the scanned data, by validating data in real time. Socket Connect!Agent 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 needs no user interaction, giving the best experience of *Bluetooth* technology.

SocketScan software

SocketScan software directs scanned data into any Windows, Palm, RIM or Symbian application as if it were manually typed, so you can use the CHS with your favorite application.



Lanyard/belt clip with retractable tether included*

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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 Tablet or notebook PC
 - Palm PDA (Palm OS 5.2 or later)
 - RIM BlackBerry 7290 or 7100 series
 - Symbian Smartphone (Series 60/80)
- Exclusive *Error Proof Protocol* (patent pending) prevents errors in wireless transmission of data to host computer with real-time data validation
- Powered by 2 rechargeable AAA NiMH batteries. 110-250V AC charge module included. Optional charging cradle - CHS 7P
- Expected battery life - typical operating conditions: 8,000 scans
- LED indicates battery level, *Bluetooth* connection, and good read status
- 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

- Standard version (CHS 7M) has a Class 1 laser for normal scanning applications
- Ruggedized version (CHS 7P) has a Class 2 laser for more demanding scanning requirements
- SocketScan keyboard emulation software directs scanned data into any Windows, Palm, RIM or Symbian application
- Automatically add Prefixes and/or Suffixes like Carriage Return and Tab to further eliminate manual keystrokes
- Easily enable/disable any of 19 supported bar code symbologies
- Scan Demo for Windows Mobile reports the symbology, length and decoded data of bar codes (for supported symbologies)

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

*Lanyard/belt clip not available in Europe, Middle East or Africa

Socket Cordless Hand Scanner

with Bluetooth® Wireless Technology



Cordless Hand Scanner
with Bluetooth Wireless Technology

CHS 7M: SKU# CX2800-489

CHS 7P: SKU# CX2821-656

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 (version 7P shown)
- 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 for CHS 7P

*The lanyard and retractable tether are not available in Asia, Europe or the Middle East.

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SPECIFICATIONS

Physical Characteristics

Size: 125l x 31h x 35w (mm)

4.9l x 1.2h x 1.4w (in.)

Total Mass: 54 g (1.9 oz)

Power Source: Two AAA NiMH rechargeable batteries

Expected Battery Life - Typical Usage
with Bluetooth connection:
Minimum 8,000 scans

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, Windows XP Tablet Edition
- Palm OS v5.2 and later
- BlackBerry Handheld Software 4.0.x (BES 4.0 or greater also required)
- Symbian Series 60/80

Interface Standards:

Bluetooth Serial Port Profile

Warranty: Two years

Scanning Characteristics (CHS 7M/7P)

Bar Code Symbolologies Decoded: UPC/EAN, Code 39, Code 128, RSS-14, Code 93, MSI, Codabar, Chinese 2 of 5, I 2 of 5, D 2 of 5

Laser Scanner Performance:

Scan Repetition Rate:

100 (± 3) scans/sec (bi-directional)

Scanner Type:

- CHS 7M (mid-range): Class 1 laser
- CHS 7P (performance-level, ruggedized): Class 2 laser
- CHS 7E (entry-level): CMOS linear imager

Decode Distances: 2.2 to 120 inches

Depends on symbol size, symbology, label media, W-N Ratio, scan angle. User's Guide has more information.

Included Software:

- SocketScan reads bar code data into any Windows, Palm, RIM or Symbian 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; Typ. 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

* SocketScan supports a generic Bluetooth COM port and may be able to connect to Bluetooth stacks on host mobile computers other than those listed above.

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.

Certification/Compliance

FCC: Part 15, Class B

CE: EN55024:1998

C-TICK: s.182

Bluetooth 1.1

TELEC

ETS 300 328 ETS 300 826



ADDITIONAL PRODUCT INFORMATION

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Learn about Class 1 and Class 2 lasers:

www.socketcom.com/pdf/TechBriefClass1Class2.pdf

Learn about vertical scanning solutions:

www.socketcom.com/solutions



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