

Socket Cordless Hand Scanner Series 7

with *Bluetooth*® Wireless Technology

Scan Bar Code Data Wirelessly to Your *Bluetooth* Enabled Pocket PC, RIM 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, Socket's 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.

The CHS features "fuzzy logic" technology. Available in both CHS 7M (Class 1) and CHS 7P (Class 2) laser versions of the CHS, fuzzy logic makes it possible to scan even damaged, poor-quality or hard-to-read bar codes. For maximum performance, the robust CHS 7P laser with fuzzy logic 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 the host computer correctly receives the scanned data, allows for real-time validation of data, and notifies the user in case of errors.



Bluetooth wireless technology transforms how devices connect with each other. Socket's CHS features a powerful Class 1 *Bluetooth* radio, so you can stay connected to your laptop or desktop at the maximum possible range — even when connected to the weaker Class 2 *Bluetooth* radios found in many mobile devices.

Mobility Friendly™ Design

The CHS uses minimal power, so you can operate for hours 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 set up 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 7290 or 7100 series
 - 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
- 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 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

- Standard version (CHS 7M) features a Class 1 laser with fuzzy logic for normal scanning applications
- Ruggedized version (CHS 7P) has a Class 2 laser with fuzzy logic 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 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 300 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 7M: SKU# CX2800-489

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 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 (not shown)

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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: 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

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, 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

Bar Code Symbologies 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 per second (bidirectional)

Decode Distances: 2.2 to 30+ inches depends on symbol 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

Laser with Fuzzy Logic: Class 1

Other versions available:

- CHS 7P with Class 2 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

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

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

Learn about vertical scanning solutions:

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