Socket®
with Bluetooth® Wireless Technology
Cordless Hand Scanner 7P

Cordless

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

Now Ruggedized!

If you need to collect bar coded data but don't want to be tied to your computer, the Socket 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 compact, ruggedized device that is ergonomically designed to fit comfortably in your hand.

Scanning with the Latest Laser Technology

The robust CHS 7P offers maximum performance, with a powerful Class 2 laser so you can successfully scan in the harshest conditions — even VIN bar codes through car windshields outdoors in broad daylight! The latest laser technology enables you to scan even damaged, poor quality or hard-to-read bar codes. SocketScan software directs scanned data directly into any Windows, Palm, RIM, or Symbian program.

Powerful *Bluetooth* Radio

Bluetooth wireless technology transforms how devices connect together, 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 ensures that scanned data is correctly received by the host computer 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.

Rugged and Low Power Design

The CHS 7P has a rugged casing that is dust, water and shock resistant and can sustain multiple drops at 5 feet. It uses minimal power, so you can use it for a full workday without recharging the batteries.

Lanyard/belt clip with retractable tether included*

Socket®
Increasing Mobile Productivity

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
  - 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

- Rugged case design:
  - Withstands multiple 5-foot drops
  - Dust, shock and water resistant

- Powered by on 2 rechargeable AAA NiMH batteries. 110-250V AC charging module included. Optional charging cradle available

- Expected battery life (typical operating conditions): 8,000 scans

- 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

- Symbol SE-955 Class 2 laser 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

- Scan Demo for Pocket PCs reports the symbology, length and decoded data of bar codes (for supported symbologies)

Bluetooth Features

- Class 1 *Bluetooth* radio has maximum range of 330 ft (100 m)

- Connect!Agent software automates the *Bluetooth* connection

- Uses *Bluetooth* Serial Port profile

- Connection indicator light

*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 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 (CHS 7P)

- 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

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

SPECIFICATIONS

Physical Characteristics

Size: 125l x 31h x 35w (mm)
4.9l x 1.2h x 1.4w (in.)
Total Mass: approx. 68 g (2.4 oz)

Power Source: Two AAA NiMH rechargeable batteries

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

Ruggedized Case Design
- Withstands multiple 5-ft drops to concrete
- Dust, water and shock resistant

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
- RIM
- Symbian Series 60/80

Interface Standards: *Bluetooth* Serial Port

Warranty: Two years

Scanning Characteristics

Bar Code Symbologies Decoded:
UPC/EAN, Code 39, Code 128, RSS-14, Code 93, MSI, Chinese 2 of 5, 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 120 inches

Depends on bar code size, symbology, label media, W-N Ratio, scan angle. For more information, please refer to the User's Guide.

Laser: Symbol SE-955 Class 2

Other versions available (non-ruggedized):
- CHS 7M with Class 1 laser
- CHS 7E with CMOS linear imager

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; 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

CAUTION LASER LIGHT DO NOT STARE INTO BEAM 650nm LASER 1.2MILLIWATT MAX. OUTPUT CLASS II LASER PRODUCT

ADDITIONAL PRODUCT INFORMATION

Web: www.socketcom.com

Learn about Class 1 and Class 2 lasers:
www.socketcom.com/pdf/
TechBriefClass1Class2.pdf

Learn about vertical scanning solutions:
www.socketcom.com/solutions

Information is subject to change.

socket®
Increasing Mobile Productivity