

Socket Cordless Ring Scanner 9P

with *Bluetooth*® Wireless Technology

Free Your Hands Using the Cordless Ring Scanner!

The Socket Cordless Ring Scanner (CRS) with *Bluetooth* Wireless Technology is a unique wearable device that lets you keep your hands free while scanning bar codes.

The first product of its kind with a built-in wireless communicator, the CRS combines the power of laser bar code scanning with the convenience of *Bluetooth* wireless technology in a comfortable, hands-free solution that makes scanning as simple as pointing your finger!

Powerful Bar Code Scanning

The CRS features “fuzzy logic” technology, which makes it possible to scan even damaged, poor quality or hard to read bar codes. The robust and ruggedized CRS offers maximum performance, with a powerful Class 2 laser that enables you to successfully scan in the harshest conditions — even VIN bar codes through car windshields outdoors in broad daylight!



Shown without included module case.

Reliable Wireless Connection

The wireless module worn on the wrist has a powerful *Bluetooth* radio that maintains a strong wireless connection to your mobile computer. There are no dangling cables or protruding antennas to slow you down, get in the way or create potential hazards.

Error Proof Data and Automatic Connections

The Socket Error Proof Protocol™ (patent pending) ensures that scanned data is correctly received by your mobile computer by validating data in real-time. Socket Connect!Agent™ software for Windows Mobile/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* wireless technology.

Rugged and Low Power Design

The CRS was designed with an exclusive Liquidmetal® construction that is twice as strong as titanium, extremely durable and scratch-resistant. The CRS uses minimal power, so you can operate for a full workday without recharging the battery.

SocketScan™ Software

Included with the CRS is SocketScan for Windows Mobile/XP, which directs scanned data into any Windows program as if it were manually typed, so you can use the CRS with your favorite application.



Cordless

Cordless Ring Scanner Features

- Worn on index finger, can be triggered by either the thumb or middle finger
- Fits fingers of all sizes and can be worn on left or right hand
- Powerful Class 2 laser designed for demanding scanning requirements
- “Fuzzy logic” enables you to scan damaged, poor quality or hard-to-read bar codes
- Exclusive Liquidmetal® rugged case withstands multiple 4-foot drops
- 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

Wireless Bluetooth Module Features

- Class 1 *Bluetooth* radio has maximum range of 330 ft (100 m)
- 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
- Socket Connect!Agent software for Windows Mobile/XP automates the *Bluetooth* connection
- Uses *Bluetooth* Serial Port profile
- Powered by a rechargeable lithium-ion battery
- Expected battery life (typical operating conditions): Over 11,000 scans
- Battery status warning light
- Connection indicator light

SocketScan™ Features

- SocketScan keyboard emulation software directs scanned data into any Windows program
- Automatically add Prefix and/or Suffixes, such as Carriage Return and Tab functions, 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)

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with Bluetooth® Wireless Technology



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CRS 9P Dev Kit: SKU# RS5500-688

In the Box:

- Cordless Ring Scanner 9P with Bluetooth Wireless Technology
- Adjustable wrist and finger straps
- Rechargeable lithium-ion battery
- Battery charger
- Quick Start Guide
- CD with software and user documentation

SPECIFICATIONS

Physical Characteristics

Wrist Unit Size: 98l x 13.1h x 47w (mm)
3.86l x 0.52h x 1.85w (in.)
Ring Size: 55l x 37h x 38w (mm)
2.17l x 1.46h x 1.5w (in.)
Wrist Unit Mass: approx. 90 g (3.2 oz)
Ring Mass: approx. 50 g (1.8 oz)

Power Source: Rechargeable lithium-ion battery 3.7V

Expected Battery Life - Typical Usage with Bluetooth connection:
Over 11,000 scans

Exclusive Ruggedized Liquidmetal Case Design

- Withstands multiple 4-ft drops to concrete
- Scratch resistant

Operating Temp: -4 to +140°F
(-20 to +50°C)

Operating System Support

- Windows Mobile 5.0, 2003/2003SE
- Windows CE 3.0 or greater
- Windows XP, XP Tablet Edition

Interface Standards:

Bluetooth Serial Port Profile

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, and more

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

Laser with Fuzzy Logic: Class 2

Included Software:

- SocketScan reads bar code data into any Windows application as if it were manually typed
- Connect!Agent simplifies Bluetooth 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:

- 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

Other Bluetooth stacks may be compatible for 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

Information is subject to change.

