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 scan bar codes while keeping your hands free. 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. For maximum performance, the robust and ruggedized CRS 9P features 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!

Error Proof Data — Socket's exclusive *Error Proof Protocol* (patent pending) ensures that scanned data is correctly received by your mobile computer by validating data in real-time and notifying the user of errors.

Reliable Wireless Connection
The wireless module worn on the wrist has a powerful *Bluetooth* radio that maintains a strong connection to your mobile computer without dangling cables or protruding antennas to slow you down, restrict your movement or cause potential hazards.

Rugged Construction
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 work-day without recharging the battery.

Exclusive 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. Also included is Connect!Agent for Windows Mobile, which makes *Bluetooth* easy to use by automating the wireless connection.

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
- Class 2 laser with fuzzy logic designed for demanding scanning requirements
- 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 5.0, 2003/2003SE
    - Windows CE 3.0 or greater
  - Windows XP Tablet or Notebook PC
- Socket Connect!Agent software for Windows Mobile automates the *Bluetooth* connection
- Uses *Bluetooth* Serial Port profile
- Powered by a rechargeable lithium-ion battery
- Expected battery life (typical operating conditions): 10,000 scans in 8 hours
- Battery status warning light
- Connection indicator light

SocketScan Features

- SocketScan™ keyboard emulation software directs scanned data into any Windows program
- SocketScan allows the user to 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 with SocketScan's "Symbology Selector"
- SocketScan "Scan Demo" for Windows Mobile reports the symbology, length and decoded data of any scanned bar code

socket™
Increasing Mobile Productivity

Socket **Cordless Ring Scanner**

with Bluetooth® Wireless Technology

**Cordless Ring Scanner 9P
with Bluetooth Wireless Technology**

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
- 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.)
Total Mass: approx. 90 g (3.2 oz)

Power Source: Rechargeable lithium-ion battery 3.7V

Expected Battery Life - Typical Usage
with Bluetooth connection:
Minimum 10,000 scans in 8 hours

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 Symbologies 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

SocketScan™ Software:
- Reads bar code data into any Windows 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

CAUTION

LASER LIGHT
DO NOT STARE INTO BEAM

650 nm LASER
1.2 MILLIWATT MAX. OUTPUT
CLASS 2 LASER PRODUCT

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.

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Increasing Mobile Productivity

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