

Socket[®] with Bluetooth[®] Wireless Technology Cordless Ring Scanner 9M

Cordless

Free Your Hands Using the Cordless Ring Scanner!

The Socket Cordless Ring Scanner (CRS) 9M with *Bluetooth* Wireless Technology is a unique wearable device that lets you keep your hands free while scanning bar codes into your favorite *Bluetooth* enabled Pocket PC or Windows XP computer. The CRS 9M is ideal for high volume scanning applications that require both hands to handle packages and/or operate equipment.



Featuring an exclusive Liquidmetal[®] housing that is extremely light and more than twice as strong as titanium, the CRS 9M 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! The scanner is worn on the index finger of either the right or left hand and can be triggered by the thumb or middle finger. The CRS 9M is the first product of its kind with a built-in wireless communicator, which is strapped to the wrist and weighs about the same as a men's watch.

Laser Bar Code Scanner

The CRS 9M features state-of-the-art laser technology, which makes it possible to scan even damaged, poor quality or hard to read bar codes. The robust and ruggedized CRS 9M offers Mid-range performance, with a Class 1 laser that enables you to successfully scan in demanding applications.



Shown without included module case.

Reliable Wireless Connection

The wireless module worn on the wrist has a Class 2 *Bluetooth* radio that maintains a strong wireless connection to your computer within a range of 30 ft (10 m). There are no dangling cables or protruding antennas to slow you down, get in the way or cause potential hazards.

Error Proof Data

The Socket *Error Proof Protocol* (patent pending) ensures that each scan of data is successfully received by the host computer before the CRS 9M will beep to indicate a good scan. You'll be confident knowing that scanned data was correctly entered into your application without having to constantly check your screen, further increasing your productivity.

SocketScan and Connect!Agent Software

SocketScan directs scanned data into any Windows program as if it were manually typed, so you can use the CRS with your favorite application — no programming is required. Socket Connect!Agent makes *Bluetooth* easy to use by automatically configuring and managing the wireless connection. Connect!Agent runs in the background and needs no user interaction.

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
- Uses the natural motion of pointing a finger to scan a bar code
- Class 1 laser designed for demanding scanning requirements
- State-of-the-art laser technology 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* prevents errors in wireless transmission of data to host computer

Wireless Bluetooth Module Features

- Class 2 *Bluetooth* radio has maximum range of 30 ft (10 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 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 (approx. 10 hours)
- Battery status warning light
- Connection indicator light

SocketScan Features

- SocketScan keyboard emulation software directs scanned data into any Windows program — no programming required
- 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)

Socket Cordless Ring Scanner 9M

with *Bluetooth*® Wireless Technology



Cordless Ring Scanner 9M with Bluetooth Wireless Technology

CRS 9M: SKU# RS5511-730



In the Box:

- Cordless Ring Scanner 9M 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)

Weight with Battery: 167 g (5.9 oz)

Power Source: Rechargeable lithium-ion battery 3.7V

Expected Battery Life - Typical Usage with Bluetooth connection:
Over 11,000 scans (approx. 10 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:

Cordless Ring Scanner: Two years
Cable and wrist/finger straps: 30 days

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: Class 1

Included Software:

- SocketScan reads bar code data into any Windows application as if it were manually typed — no custom programming required
- 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 2 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

* *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 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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