

## CORDLESS HAND SCANNER (CRS)



### Hardware Features

- Bluetooth 2.1 Class 1 wireless connection (up to 330 feet/100 meters from host device)
- Rugged Liquidmetal® enclosure
- Field replaceable tangle-free cable
- Fits fingers of all sizes and can be worn on the left or right hand, with dual triggers for ease of use
- State-of-the-art Class 2 laser scanner can read damaged bar codes and is as powerful as large gun-type scanners minus the bulk and weight
- Error Proof Protocol™ ensures scanned data reaches host computer over Bluetooth link
- Works with Android, Blackberry, and Windows
- Supports Bluetooth Serial Port Profile
- Battery Friendly® technology provides up to 12,000+ scans (~10 hours) under normal operating conditions
- LED indicates good scan and connection status
- One year standard warranty (wrist/ring unit only)
- SocketCare™ enhanced service program available



### HANDS-FREE DATA COLLECTION FOR THE PRODUCTIVE WORKFORCE

The Socket Mobile Bluetooth® Cordless Ring Scanner Series 9 is a wearable, hands-free barcode scanning solution that improves productivity in processes that involve repetitive scanning and package or parts handling tasks. Ideal for use in fast-moving environments where multi-tasking is essential, the hands-free, wearable design of the Socket Bluetooth CRS enables workers to switch tasks without having to pick up or put down scanners, increasing worker productivity at manufacturing facilities and warehouses.

### Software Features

- SocketScan 10™ keyboard wedge software enters scanned data into any application – no custom programming needed
- Eliminate manual data entry with automatic prefix and suffix functions, such as carriage return and tab
- Power and beep tone management
- SocketScan Symbology Selector for enabling/ disabling bar code symbologies
- View the properties of any bar code for any of the supported symbologies
- Bluetooth security and reconnection options
- No license fee for standard software
- Works with Windows-based development tools for custom application developers (SDK available)
- SocketScan™ ActivePairing™ and Permanent Pair make the Bluetooth connection quick, easy and convenient
- SDK available for Android, Blackberry, and Windows

### Features and Benefits

- Bluetooth Class 1 connection up to 330 ft (100 m) for long-range scanning
- Lightweight, wearable scanner delivers hands-free comfort over extended periods
- Powerful Class 2 laser ideal for scanning 1D and stacked barcodes on reflective surfaces,
- or through Mylar, thick glass or plastic
- Sealed to IP54 standards and withstands multiple 4 ft (1.2 m) drops to concrete to
- reduce total cost of ownership
- Easy and quick to deploy and works within an existing network infrastructure for
- minimal operator training
- Battery Friendly® technology enables single charge per shift in scanning-intensive applications
- Error Proof Protocol ensures reliable data transmission over Bluetooth link
- Cable and Ring Straps with breakaway feature to reduce the risk of injury
- Dual triggers for quick and easy scanning

Specifications	
Wrist Unit Dimensions	103 mm (l) x 47 mm (w) x 12 mm (h) (4.06 x 1.85 x 0.47 inches)
Ring Scanner Dimensions	55 mm (l) x 38 mm (w) x 37 mm (h) (2.17 x 1.50 x 1.46 inches)
Total Mass	<ul style="list-style-type: none"> <li>Wrist unit with battery: 104 g (3.68 oz)</li> <li>Ring unit with finger strap: 54.4 g (1.92 oz)</li> <li>Cable: 10.9 g (0.384 oz)</li> <li>Wrist strap with snap-in holder: 51 g (1.8 oz)</li> </ul> Total: 220 g (7.78 oz)
Exclusive Ruggedized Liquidmetal® Case Design	Withstands multiple 4 ft (1.2 m) drops to concrete Scratch-resistant IP54 Compliant
Operating Temperature	-4 to +140°F (-20 to +60°C)
Storage Temperature	-40 to +158°F (-40 to +70°C)
Relative Humidity	5% to 95% non-condensing
Ambient Light	Sunlight: 10,000 ft. candles (107,640 lux) Artificial light: 450 ft. candles (4,844 lux)
Battery Type	1070 mAh rechargeable lithium-ion battery 3.7 V
Battery Life	12,000+ scans (~10 hours under typical usage conditions with Bluetooth connection)
Laser Power	1.7 mW (±0.2 mW)

Barcode Scanner Performance	
Scanner Type	Class 2 laser
Types of Barcodes Decoded	Linear (1D), Stacked linear composite (RSS-14)
Symbologies Decoded	Bookland EAN (ISBN / EAN-13), Chinese 2 of 5, Codabar, Code 11, Code 128, Code 39, Code 93, Discrete 2 of 5, GS1 DataBar (RSS), GS1-128 (UCC-128/EAN-128), Interleaved 2 of 5 (ITF-14), MSI, Plessey, UPC/EAN
Scan Repetition Rate	5 scans/sec bi-directional
Optical Resolution	0.004 inch (0.102 mm) minimum / barcode element width (X dimension)
Print Contrast	Minimum 25% absolute dark/light reflectance (MRD) measured at 650 nm
Scan Angle	Wide (default): 47° ±3° Narrow: 35° ±3°
Decode Distance <sup>1</sup>	3.8 to 114+ cm (1.5 to 45+ inches)
Bluetooth Protocol	Bluetooth 2.1 + Enhanced Data Rates (EDR) with 56 bit encryption and support for Secure Simple Pairing (SSP)*
Radio Range	Class 1 Bluetooth: Up to 100 m (330 ft), depending on environment

OS Support	
Operating System Support	<ul style="list-style-type: none"> <li>Android OS</li> <li>RIM BlackBerry OS</li> <li>Windows Embedded Handheld 6</li> <li>Windows Mobile 6 Classic/Professional</li> <li>Windows Mobile 2003/2003SE/5.0 for Pocket PC/Pocket PC Phone Edition</li> <li>Windows CE.NET for Intermec CK3</li> <li>Windows 8, 7</li> </ul>
SocketScan™ 10 Software	Keyboard wedge for Android, BlackBerry, Windows included. SDK available separately <a href="http://www.socketmobile.com/products/sdk/">http://www.socketmobile.com/products/sdk/</a>
SocketScan 10 SDK	Supports Android, BlackBerry, Windows. Subscribe to Developer Program to download, SKU# SW1250-1463. Available only at <a href="http://www.socketstore.com/">http://www.socketstore.com/</a>
Included Items	<ul style="list-style-type: none"> <li>CRS barcode scanner: Ring unit, Wrist unit, Cable, Cable clip</li> <li>2 Finger straps, 1 Wrist strap</li> <li>Lithium-ion battery</li> <li>Software</li> </ul>
Warranty	Ring scanner and wrist unit: One year or 3 million actuations (trigger presses), whichever occurs first. Straps, cables and accessories: 90 days
SocketCare Extended Warranty	Available separately, for more information, please visit: <a href="http://www.socketcare.com/">http://www.socketcare.com/</a> <ul style="list-style-type: none"> <li>SocketCare Plus 2 Year - SKU# SC1812-1357</li> <li>SocketCare Plus 3 Year - SKU# SC1813-1358</li> <li>SocketCare Comprehensive Coverage (requires SocketCare Plus) - SKU# SC1814-1359</li> </ul>
Electrical Safety	Certified to CAN/CSA C22.2 No. EN60950-1, EN60825-1, IEC60601
Environmental	RoHS, IP54
EMI / RFI	FCC Part 15, Class B
Laser Safety	IEC60825-1 Class 2

SKUs	
Barcode scanner CRS 9P	RS5519-1075
Single unit charger	AC4048-1143 Includes AC adapter with plugs for USA and Europe
Multi-bay charger	AC4046-1141 Docking station simultaneously charges up to 8 CRS wrist units or batteries (requires battery adapter, sold separately)
Battery adapter for Multi-bay	AC4047-1142 4 pack. Required to charge battery in Multi-bay charger without the wrist unit
Battery	AC4023-705

<sup>1</sup>Depends on symbol size, symbology, label media, W-N ratio, scan angle. \*Bluetooth 2.1 + EDR with support for SSP available only in Revision B or later of the Bluetooth wrist unit.

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