

Hands-Free Data Collection for the Productive Workforce



LIQUIDMETAL®

Bluetooth®



The Socket 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.

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



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

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

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	• Wrist unit with battery: 104 g (3.68 oz) • Ring unit with finger strap: 54.4 g (1.92 oz) • Cable: 10.9 g (0.384 oz) • Wrist strap with snap-in holder: 51 g (1.8 oz) 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 ¹	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	Please use online compatibility checker for specific device models, OS versions, etc. http://www.socketmobile.com/compatibilitychecker/
Operating System Support	• Android OS • RIM BlackBerry OS • Windows Embedded Handheld 6 • Windows Mobile 6 Classic/Professional • Windows Mobile 2003/2003SE/5.0 for Pocket PC/Pocket PC Phone Edition • Windows CE.NET for Intermec CK3 • Windows 8, 7
SocketScan™ 10 Software	Keyboard wedge for Android, BlackBerry, Windows included. SDK available separately http://www.socketmobile.com/products/sdk/
SocketScan 10 SDK	Supports Android, BlackBerry, Windows. Subscribe to Developer Program to download, SKU# SW1250-1463. Available only at http://www.socketstore.com/
Included Items	• CRS barcode scanner: Ring unit, Wrist unit, Cable, Cable clip • 2 Finger straps, 1 Wrist strap • Lithium-ion battery • Software
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: http://www.socketcare.com/ • SocketCare Plus 2 Year - SKU# SC1812-1357 • SocketCare Plus 3 Year - SKU# SC1813-1358 • SocketCare Comprehensive Coverage (requires SocketCare Plus) - SKU# SC1814-1359
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

¹Depends 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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