

Data Collection for Mobile Workers

The Socket *Bluetooth* Cordless Hand Scanner (CHS) Series 7 brings industrial-class barcode scanning into a pocket-sized form factor. It enables new opportunities to bring the productivity benefits of 2D and 1D barcode scanning to mobile workers.

The CHS provides the right features to simplify data collection, giving users an essential tool that they can rely on. Its light, ergonomic yet rugged design withstands the daily rigors of field use. It's comfortable to use for long periods of scanning and slips easily into a pocket, carry on a lanyard or attach to a belt.

Battery Friendly® technology enables multi-shift/ multi-day scanning and reduces the power consumption of the host computer while providing the freedom of a reliable, long range wireless connection.

The wide range of host device support and complete SocketScan™ software suite eases integration into existing applications. For new deployments, Socket's VAR / integrator partners provide diverse solutions which integrate the Socket *Bluetooth* CHS Series 7.

Features:

- Comfortable to use over extended periods and easy to carry
- Easy integration with applications on mobile computing platforms
- Dependable with long battery life and reliable, long-range *Bluetooth* connection








HARDWARE FEATURES

- *Bluetooth* 2.1¹ or 2.0 Class 1 wireless connection (up to 330 ft/100 m from host device)
- Rugged versions withstand multiple drops onto concrete and are dust, shock and water resistant
- Antimicrobial versions for healthcare, food service and other hygiene sensitive applications
- Battery Friendly® technology enables extensive battery life on a single charge
- LED indicates good scan, connection, power status
- Tactile Vibrate Recognition for high ambient noise environments¹
- Built-in stylus tip for use with touch screen devices
- Works with *Bluetooth* enabled PDAs, smartphones and computers including: Apple iPad; Windows platforms; and Nokia, Palm and BlackBerry smartphones²
- Error Proof Protocol™ ensures scanned data reaches host computer over *Bluetooth* link

SOFTWARE FEATURES³

- Connect!Agent software for Windows Mobile automatically configures and manages the *Bluetooth* connection
- SocketScan™ keyboard wedge software enters scanned data into any application — no custom programming needed
- Eliminate manual data entry with automatic prefix / suffix functions, such as carriage return and tab
- Power and beep tone management
- SocketScan Symbology Selector for enabling/ disabling barcode symbologies
- View the properties of any barcode 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 applications (SDK available)
- SocketScan Floating Trigger lets you conveniently tap an on-screen icon to trigger the scanner
- SocketScan ActivePairing™ and Permanent Pair make the *Bluetooth* connection quick, easy, and convenient

WHICH VERSION IS RIGHT FOR YOU?

CHS 7E2 <i>Reliable, Affordable</i> 1D Laser		- For light-duty or general-purpose indoor scanning - Reads all common 1D/linear and stacked barcodes up to 10.5" (27 cm) away - Class 1 laser technology
CHS 7M2 <i>Long-range</i> 1D Laser		- Moderate to intensive scanning, including ISBN book and VIN numbers - Easy to use and can scan thousands of barcodes per day, up to 45" (114 cm) away - Reads 1D and stacked barcodes, even if they are worn or damaged - Class 2 laser technology
CHS 7P <i>Rugged</i> <i>Long-range</i> 1D Laser		- High-performance for scanning small barcodes indoors or outdoors - Ruggedized dust, shock and water resistant case withstands 5 ft (1.5 m) drops - Ideal for reading VIN numbers, through Mylar / thick glass or damaged barcodes - Easy to use and can scan thousands of barcodes per day, up to 45" (114 cm) away - Class 2 laser technology reads 1D and stacked barcodes
CHS 7X <i>Rugged</i> 1D & 2D <i>Omni-directional</i>		- Xtreme performance for 2D, 1D, PDF barcodes, including small barcodes - Ruggedized dust, shock and water resistant case withstands 5 ft (1.5 m) drops - <i>Bluetooth</i> v2.1 with 330 ft (100 m) range - No software installation required, edit data with special barcodes - Tactile vibrate recognition for high ambient noise environments
CHS 7XRx CHS 7NRx <i>Rugged</i> <i>Antimicrobial</i> 1D & 2D		- Features an antimicrobial case inhibiting growth of bacteria and microbes - Ruggedized dust, shock and water resistant case withstands 5 ft (1.5 m) drops - 2D or 1D barcodes, reads worn, poorly printed or damaged barcodes - <i>Bluetooth</i> v2.1 ¹ or v2.0 with 330 ft (100 m) range - Tactile vibrate recognition for high ambient noise environments ¹

Charging cradles (sold separately)



¹Version 7X and 7XRx only.

²Not all scanner versions support all OS platforms or devices. See specifications for specific smartphone models.

³Software not required for *Bluetooth* HID mode of 7X and 7XRx.

Socket Bluetooth Cordless Hand Scanner (CHS) Series 7

In the Box:

- Socket Bluetooth Cordless Hand Scanner
- Charging source
- Lanyard/belt clip with retractable tether
- Rechargeable battery
- Software (laser versions only) and documentation

Optional Accessories:

- Lanyard / belt clip
- Charging Cradle
- USB to DC Plug Charging Cable
- AC Charger with International Plugs
- Car Charger
- Scanning Companion: USB Bluetooth Adapter
- Mobile Power Pack: portable battery pack (Available only in Americas and Asia Pac)
- SocketScan SDK

For more information, please visit:
<http://www1.socketmobile.com/products/bluetooth-scanners/accessories-bt1.aspx>

Items not shown to scale and may vary slightly from those shown.



Sales Offices
Corporate Headquarters:
 39700 Eureka Drive
 Newark, CA 94560 USA

Web: socketmobile.com

Phone: +1-510-933-3000

Domestic Toll Free: 800-552-3300

Fax: +1-510-933-3030

Online: socketmobile.com/contact

SPECIFICATIONS																																																							
	CHS 7E2 Short-Range 1D Laser	CHS 7NRx Short-Range 1D Laser	CHS 7M2 Long-Range 1D Laser	CHS 7P Long-Range 1D Laser	CHS 7X Omni-directional 2D & 1D	CHS 7XRx Omni-directional 2D & 1D																																																	
SKU #	CX2847-1193	CX2852-1245	CX2850-1243	CX2830-1097	HID: CX2849-1242 SPP: CX2854-1276	HID: CX2843-1160 SPP: CX2856-1278																																																	
Scanner Type	Class 1 laser (1D)		Class 2 laser (1D)		High Density Imager with Performance Aiming (2D, 1D)																																																		
Symbology Support	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), ISBN, MSI, UPC/EAN			Same as 7E2, 7NRx, 7M2 Recommended for VIN vehicle numbers	Same as other models (except Chinese 2 of 5), plus: Aztec, Codabar with ISBT 128 bit concatenation, Codablock, Data Matrix, GS1 Composite (EAN / UCC Composite), GS1 DataBar Limited (RSS Limited), Matrix 2 of 5, MaxiCode, PDF 417, Macro / Micro PDF 417, Plessey, QR Code, Standard 2 of 5, Telepen, TLCode 39, postal (various)																																																		
Decode Distance ¹	1.5 to 10.5 inches (3.8 to 27 cm)		1.5 to 45+ in. (3.8 to 114+ cm)		1.5 to 10.5 in. (3.8 to 27 cm)																																																		
Ruggedized Case		✓		✓	✓	✓																																																	
Antimicrobial Case		✓				✓																																																	
Tactile Vibrate Recognition					✓	✓																																																	
Operating Temperature	+32 to +122°F (0 to +50°C)																																																						
Battery Type	Two AAA NiMH rechargeable batteries				One Li-ion rechargeable battery																																																		
Battery Life with Bluetooth Enabled	19 hours or 15,000 scans ²				10 hours on single charge																																																		
OS Support	<table border="1"> <tr> <td>• Windows Mobile³</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>• Windows CE.NET³</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td></td> <td></td> </tr> <tr> <td>• Win 7, Vista, XP³</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>• Palm OS³</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td></td> <td></td> </tr> <tr> <td>• RIM BlackBerry³</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>• Symbian (Nokia)³</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>• Mac OS (Apple iPad)⁴</td> <td></td> <td></td> <td></td> <td></td> <td>✓</td> <td>✓</td> </tr> </table>						• Windows Mobile ³	✓	✓	✓	✓	✓	✓	• Windows CE.NET ³	✓	✓	✓	✓			• Win 7, Vista, XP ³	✓	✓	✓	✓	✓	✓	• Palm OS ³	✓	✓	✓	✓			• RIM BlackBerry ³	✓	✓	✓	✓	✓	✓	• Symbian (Nokia) ³	✓	✓	✓	✓	✓	✓	• Mac OS (Apple iPad) ⁴					✓	✓
• Windows Mobile ³	✓	✓	✓	✓	✓	✓																																																	
• Windows CE.NET ³	✓	✓	✓	✓																																																			
• Win 7, Vista, XP ³	✓	✓	✓	✓	✓	✓																																																	
• Palm OS ³	✓	✓	✓	✓																																																			
• RIM BlackBerry ³	✓	✓	✓	✓	✓	✓																																																	
• Symbian (Nokia) ³	✓	✓	✓	✓	✓	✓																																																	
• Mac OS (Apple iPad) ⁴					✓	✓																																																	
Interface Standard	Bluetooth Serial Port Profile (SPP)				Bluetooth HID only or HID and SPP																																																		
Bluetooth Protocol	Bluetooth 2.0 + Enhanced Data Rate (EDR)				Bluetooth 2.1 + EDR																																																		
Radio Range	Class 1 Bluetooth - Up to 330 ft (100 m), depending on environment																																																						
Included Software	SocketScan: Windows Mobile, 7, Vista, XP, Palm, RIM, Symbian Connect!Agent: Windows Mobile Floating Trigger: Windows Mobile, 7, Vista, XP				HID: No software required SPP: Includes same software for Windows Mobile, 7, Vista, XP, RIM																																																		
Certification/Compliance	Electrical Safety: Certified to CAN/CSA C22.2 No. EN60950-1, EN60825-1, IEC60601 Environmental: RoHS EMI/RFI: FCC Part 15 Class B, VCCI, CE EN55024:2003 Laser/LED Safety: IEC60825-1, EN 60825-1																																																						
Warranty	Barcode scanner: One year Accessories: 90 days SocketCare enhanced service program available separately																																																						

¹Depends on symbol size, symbology, label media, W-N Ratio, scan angle

²Based on elapse time of 4.8 seconds / scan under typical usage conditions. Results include Bluetooth and vibrate recognition enabled for 7X/7XRx

³Not all versions or devices are supported, see Specification Sheet at: http://www.socketmobile.com/pdf/data-collection/chs-series7_spec.pdf

⁴Other computers running Mac OS 10.4 or greater may also be supported.



© 2004-2010 Socket Mobile, Inc. Socket, the Socket logo, Bluetooth Cordless Hand Scanner, SocketScan, Connect!Agent, Business Mobility Now! and Battery Friendly are registered trademarks or trademarks of Socket Mobile, Inc. Microsoft is a registered trademark of Microsoft Corporation in the United States and other countries. All other brand and product names are trademarks of their respective holders. Information is subject to change. 6450-00095 II 5/2010