# Data Collection for Mobile Workers

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

The Socket *Bluetooth* CHS Series 7 provides the right features to simplify data collection, giving users an essential tool that they can rely on. Its lightweight and ergonomic yet rugged design withstands the daily rigors of field use. It's not only comfortable to use for extended periods of scanning but also easy to slip 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 paired *Bluetooth* computing platform while providing the freedom of a reliable, long range wireless connection.

*Charging cradle (sold separately)*

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

## Benefits:

• 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* 2.0 Class 1 wireless connection (up to 330 feet/100 meters from host device)

• Rugged design withstands multiple drops onto concrete

• Battery Friendly® technology enables extensive battery life on a single charge

• LED indicates good scan and connection status

• Built-in stylus tip for use with touch screen devices

• Works with *Bluetooth* enabled computers running Windows or Palm platforms as well as BlackBerry and Nokia smartphones (see specifications)

• Error Proof Protoco™ ensures scanned data reaches host computer over *Bluetooth* link

### SOFTWARE FEATURES

• 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 atuomatic prefix and 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 7EL**<br>*Entry-Level Laser* | - Basic unit for light-duty indoor scanning<br>- Reads all common 1D/linear and stacked barcodes up to 10.5" (27 cm) away<br>- Class 1 laser technology<br>- Available in yellow (CX2845-1180) or gray (CX2847-1193) |
| **CHS 7M**<br>*Mid-Range Laser* | - Mid-range unit for most indoor scanning, including ISBN book numbers<br>- Easy to use and can scan thousands of barcodes per day, up to 20" (51 cm) away<br>- Reads 1D and stacked barcodes, even if they are worn or damaged<br>- Class 1 laser technology |
| **CHS 7P**<br>*Rugged Performance Laser* | - Performance unit for heavy-duty scanning indoors or outdoors<br>- Ruggedized dust, shock and water resistant case withstands 5 ft (1.5 m) drops<br>- Ideal for reading VIN numbers, even through Mylar or thick glass<br>- Reads barcodes on curved or reflective surfaces<br>- Easy to use and can scan thousands of barcodes per day, up to 45" (114 cm) away<br>- Reads 1D and stacked barcodes, even if they are worn or damaged<br>- Class 2 laser technology |

*\*WM 6 Professional support for Bluetooth stack with Serial Port Profile (SPP)*

**In the Box:**
- Socket *Bluetooth* Cordless Hand Scanner (version 7M shown)
- Charging cable (not shown)
- Lanyard/belt clip with retractable tether
- Rechargeable batteries
- Software and documentation

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

**Optional Accessories:**
- Charging Cradle
- Car Charger
- Scanning Companion: USB *Bluetooth* Adapter
- Mobile Power Pack: portable battery pack (Available only in Americas)
- SocketScan SDK

For more information, please visit: www.socketmobile.com/products/accessories/

| SPECIFICATIONS | | | |
|---|---|---|---|
| | **CHS 7EL** *Entry Level Laser* | **CHS 7M** *Mid-Range Laser* | **CHS 7P** *Performance Laser* |
| SKU # | CX2845-1180 yellow CX2847-1193 gray | CX2828-1095 | CX2830-1097 |
| Scanner Type | Class 1 laser (1D) | Class 1 laser (1D) | Class 2 laser (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, MSI, UPC/EAN | Same as CHS 7EL<br><br>Recommended for ISBN book numbers | Same as CHS 7EL<br><br>Recommended for VIN vehicle numbers |
| Decode Distance* | 1.5 to 10.5 inches (3.8 to 27 cm) | 1.5 to 20 inches (3.8 to 51 cm) | 1.5 to 45+ inches (3.8 to 114+ cm) |
| Ruggedized Case | No | No | Yes. Withstands multiple 5-ft drops. Water, dust and shock resistant |
| Power Source | Two AAA NiMH rechargeable batteries | | |
| Expected Battery Life | Typical usage conditions with *Bluetooth* connection: 19 hours or 15,000 scans** | | |
| Operating Temperature | 32 to +140°F (0 to +40°C) | -4 to +140°F (-20 to +60°C) | |
| Operating System Support | Windows Mobile 2003/2003SE/5.0 for Pocket PC/Pocket PC Phone Edition<br>Windows Mobile 6 Classic/Professional (requires *Bluetooth* Serial Port Profile)<br>Windows CE.NET for Intermec CK3<br>Windows XP Professional/Tablet PC (SP1, SP2, SP3)<br>Windows Vista Business/Ultimate (SP1)<br>Palm OS 5.2 or greater<br>RIM BlackBerry OS for Bold 9000, Curve 83xx, Pearl 81xx, Storm 95xx<br>Symbian OS for Nokia E61, E61i, E71*** | | |
| Interface Standard | *Bluetooth* Serial Port Profile | | |
| *Bluetooth* Protocol | *Bluetooth* 2.1 or 2.0 + Enhanced Data Rates (EDR), *Bluetooth* QD ID B0164000 | | |
| Antenna Type | Integrated | | |
| Radio Range | Class 1 *Bluetooth* - Up to 330 ft (100 m), depending on environment | | |
| *Bluetooth* Stack Support for Windows Mobile | Broadcom (Widcomm)1.5 or later<br>Microsoft *Bluetooth* stack for Windows Mobile<br>Stonestreet One 1.2.4 (Build 1783) | | |
| *Bluetooth* Stack Support for Windows XP, Vista | Broadcom 5.1.0.1700 or later<br>Microsoft *Bluetooth* stack for Windows XP and Windows Vista<br>Toshiba 4.00.34, 5.00.06F or later | | |
| Included Software | SocketScan for Windows Mobile, Windows Vista, Windows XP, Palm OS, Symbian OS Connect!Agent for Windows Mobile | | |
| Certification/Compliance | Electrical Safety: Certified to CAN/CSA C22.2 No. EN60950-1, EN60825-1, IEC60601<br>Environmental: RoHS<br>EMI/RFI: FCC Part 15 Class B, VCCI, CE EN55024:2003<br>Laser Safety: IEC60825-1 | | |
| Warranty | Scanner: One year<br>Accessories: 90 days<br>SocketCare enchanced service program available separately | | |

*Depends on symbol size, symbology, label media, W-N Ratio, scan angle
**Based on elapse time of 4.8 seconds per scan
***Other devices running Symbian OS 9.1 or later may be supported

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