

# Socket® with Bluetooth® Wireless Technology

## Cordless Hand Scanner Series 7



### Optimize the Efficiency and Accuracy of Data Collection

Increase efficiencies in your data collection applications with the Cordless Hand Scanner (CHS) Series 7

- **Performance** — Best-of-class technology for scanning bar codes in a broad range of environmental conditions
- **Mobility and Comfort** — *Bluetooth* wireless technology provides freedom of movement, while superior ergonomics offer comfort for maximum productivity
- **Real-Time Data Validation** — Socket Error Proof Protocol ensures that the host computer correctly receives scanned data



Available in three performance levels, the CHS Series 7 works with *Bluetooth* enabled Pocket PCs, BlackBerrys, Palm PDAs, Symbian Smartphones, and Windows XP systems. SocketScan™ software sends scanned data directly into your favorite application.

<b>CHS 7E</b> <i>Entry Level</i>	CMOS linear imaging for basic performance in good scanning conditions
<b>CHS 7M</b> <i>Mid-Range</i>	Class 1 laser for scanning large volumes at high speeds, over long distances (35+ inches), and even in very dim or bright light, on reflective or curved surfaces or through glass. Can also scan damaged/poor quality bar codes
<b>CHS 7P</b> <i>Performance</i>	Class 2 laser for maximum performance, including long distance scanning (45+ inches). Features a ruggedized dust, shock and water resistant case that can withstand 5-ft drops

#### Secure Connections at Maximum Range

Do you need to wander around while scanning inventory? The CHS Series 7 features a powerful Class 1 *Bluetooth* radio that maintains the wireless connection at the maximum possible range — even when communicating with weaker Class 2 *Bluetooth* radios found in many mobile computers. Advanced encryption ensures data security.

#### Automatic *Bluetooth* Connections

Socket Connect!Agent software for Windows Mobile and XP makes *Bluetooth* easy to use by automatically configuring and managing the wireless connection.

### General Features

- 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
  - Palm PDA (Palm OS 5.2 or later)
  - RIM BlackBerry 7290 or 7100 series
  - Symbian Smartphone (Series 60/80)
- Exclusive *Error Proof Protocol* (patent pending) prevents errors in wireless transmission of data to host computer with real-time data validation
- Powered by 2 rechargeable AAA NiMH batteries. Standard alkaline batteries can be used
- 110-250V AC charge module included. Optional charging cradle for CHS 7P
- Expected battery life - typical operating conditions: 8,000 scans
- LED indicates battery level, *Bluetooth* connection, and good read status
- Built-in stylus tip for PDA touch screens
- Retractable lanyard/belt clip included

### *Bluetooth* Features

- Class 1 *Bluetooth* radio has maximum range of 300 ft (100 m)
- Connect!Agent software automatically configures and manages the *Bluetooth* connection
- Uses *Bluetooth* Serial Port profile

### SocketScan Software Features

- SocketScan keyboard emulation software directs scanned data into any Windows, Palm, RIM or Symbian application
- Automatically add Prefixes and/or Suffixes like Carriage Return and Tab 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 Hand Scanner

with Bluetooth® Wireless Technology

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



## In the Box:

- Cordless Hand Scanner with Bluetooth Wireless Technology (version 7P shown)
- AC Charger with plugs for U.S., Europe, U.K., Australia
- 2 NiMH rechargeable AAA batteries
- Installation CD
- Lanyard/belt clip with retractable tether
- Optional charging cradle for CHS 7P

Learn about Class 1 and Class 2 lasers:

[www.socketmobile.com/pdf/TechBriefClass1Class2.pdf](http://www.socketmobile.com/pdf/TechBriefClass1Class2.pdf)

Learn about vertical scanning solutions:

[www.socketmobile.com/solutions](http://www.socketmobile.com/solutions)

## SPECIFICATIONS

	CHS 7E Entry Level	CHS 7M Mid-Range	CHS 7P Performance
SKU #	CX2804-493	CX2800-489	CX2821-656
Scanner Type	CMOS linear imager	Class 1 laser	Class 2 laser
Symbologies Decoded	UPC/EAN, Code 39, Code 128, Code 93, Code 11, MSI, Codabar, I 2 of 5, D 2 of 5	Same as CHS 7E plus Chinese 2 of 5, RSS-14, RSS-Limited, RSS-Expanded	
Decode Distance	3.18 to 60+ cm (1.25 to 24+ inches)	2.50 to 89+ cm (1.00 to 35+ inches)	2.50 to 114+ cm (1.00 to 45+ inches)
Ruggedized case	No	No	Yes. Withstands multiple 5-foot drops. Dust, shock, water resistant
Power Source	Two AAA NiMH rechargeable batteries		
Expected Battery Life	Typical usage conditions with Bluetooth connection: 8,000+ scans		
Operating Temperature	32 to 120°F (0 to 50°C)	-4 to 140°F (-20 to 60°C)	
Operating System Support	Windows Mobile 2003/2003SE/5.0 Windows CE 3.0 or greater Windows XP/XTablet Edition Palm OS 5.2 and later Blackberry Handheld Software 4.0.x with BES 4.0 or greater Symbian Series 60/80		
Interface Standard	Bluetooth Serial Port Profile		
Bluetooth Protocol	Bluetooth 1.1		
Antenna Type	Integrated		
Radio Range	Class 1 Bluetooth - Up to 330 ft (100 m), depending on environment		
Included Software	SocketScan for Windows Mobile/CE, Windows XP, Palm, RIM, Symbian Connect!Agent for Windows Mobile/CE and Windows XP		
Supported Bluetooth Stacks for Windows*	Socket Draker 1.4 (Socket CF/SD card) IVT BlueSoleil 1.6.1.4 (Socket CF/USB) Broadcom (Widcomm) 1.4 Microsoft Bluetooth stack for Windows Mobile Microsoft Windows XP SP2 Toshiba Bluetooth stack 3.03.06 and later for Windows XP		
Certification/Compliance	FCC: Part 15, Class B CE: EN55024:2003 EN60825 C-TICK: s.182 RoHS UL VDE CUL	FCC: Part 15, Class B CISPR 22 Japan VCCI Class B C-TICK: s.182 21CFR1040.10 and 1040.11** EN60825-1:1994+ A1:2002 +A2:2001 IEC60825-1:1993+A1:1997+A2:2001 UL 60950, EN/IEC 60950 VCCI RoHS	ICES-003 Class B AS 3548 CE: EN55024:2003
Warranty	One year		

\*Depends on symbol size, symbology, label media, W-N Ratio, scan angle.

\*\*Except for deviations pursuant to Laser Notice No. 50, dated July 26, 2001.



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