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Cordless Hand Scanner *Series 7*

With Bluetooth® Wireless Technology

Specification Sheet

PHYSICAL CHARACTERISTICS			
	CHS 7E *Entry Level*	**CHS 7M** *Mid-Range*	**CHS 7P** *Performance*
Dimensions	125 x 31 x 35 mm (4.9 x 1.2 x 1.4 inches)		
Total Mass	51 g (1.8 oz)	51 g (1.8 oz)	approx. 68 g (2.4 oz)
Ruggedized Case	No	No	Yes. Withstands multiple 5-foot drops to concrete. Dust, shock, and water-resistant

ENVIRONMENTAL SPECIFICATIONS			
	CHS 7E *Entry Level*	**CHS 7M** *Mid-Range*	**CHS 7P** *Performance*
Operating Temperature	+32 to +140°F (0 to +60°C)	-4 to +140°F (-20 to +60°C)	
Storage Temperature	-22 to +158°F (-30 to +70°C)	-40 to +158°F (-40 to +70°C)	
Relative Humidity	5% to 95% non-condensing		
Ambient Light	0.5 ft. candles (5 lux) to 8,000 ft. candles (86,112 lux)	Sunlight: 10,000 ft. candles (107,640 lux) Artifical light: 450 ft. candles (4,844 lux)	

ELECTRICAL SPECIFICATIONS			
	CHS 7E *Entry Level*	**CHS 7M** *Mid-Range*	**CHS 7P** *Performance*
Power Source	Two AAA NiMH rechargeable batteries		
Expected Battery Life	Typical usage conditions with *Bluetooth* connection: 8,000+ scans		
Laser Power (650 nm)	N/A	0.7 mW (±0.1 mW)	1.7 mW (±0.2 mW)

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SCANNER PERFORMANCE SPECIFICATIONS			
	CHS 7E *Entry Level*	**CHS 7M** *Mid-Range*	**CHS 7P** *Performance*
Scanner Type	Symbol CSE600 CMOS linear imager	Symbol SE-955 Class 1 laser	Symbol SE-955 Class 2 laser
Types of Bar Codes Decoded	Linear (1D)	Linear (1D), Stacked linear composite (RSS-14)	
Symbologies Decoded	Codabar, Code 11, Code 128, Code 39, Code 93, D 2 of 5, I 2 of 5, MSI, UPC/EAN, Webcode	Same as CHSC 7E (except Webcode) plus Chinese 2 of 5, RSS-14/Limited/Expanded	
Scan Repetition Rate	Frame rate varies with the amount of ambient light	100 scans/sec bi-directional	
Optical Resolution	N/A	0.004 inch (0.102 mm) minimum/bar code element width (X Dimension)	
Print Contrast	35% MRD measured at 675 nm	Minimum 25% absolute dark/light reflectance (MRD) measured at 650 nm	
Scan Angle	N/A	Wide (default): 47° ±3° Narrow: 35° ±3°	
Decode Distance*	3.18 to 60.96 cm (1.25 to 24.00 inches) typical	2.50 to 88.90 cm (1.00 to 35.00 inches) typical	2.50 to 114.30 cm (1.00 to 45.00 inches) typical
LED/Laser Safety	EN60825 Class 1 LED	IEC60825-1 Class 1 laser	IEC60825 Class 2 laser

BLUETOOTH SPECIFICATIONS	
Interface Standard	*Bluetooth* Serial Port Profile
Bluetooth Protocol	*Bluetooth* 1.1: 2.4 to 2.4835 GHz ISM band frequency hopping
Antenna Type	Integrated
Radio Range	Class 1 *Bluetooth*: Up to 330 ft (100 m), depending on environment
Connection	Point to point
Compatibility	Windows COM port, *Bluetooth* QD ID B0164000
Security	56 bit encryption
Typical Output	12 dbm
Supported *Bluetooth* Stacks for Windows Mobile*	Broadcom (Widcomm)1.5 for Windows Mobile 2003SE Broadcom (Widcomm) 1.7 for Windows Mobile 5.0/6 Microsoft *Bluetooth* stack for Windows Mobile
Supported *Bluetooth* Stacks for Windows XP	Most *Bluetooth* stacks

*For Windows Mobile, installation of the included Socket Mobile Connect!Agent software is required.

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SOFTWARE COMPATIBILITY	
Operating System Support	Windows Mobile 2003/2003SE/5.0 for Pocket PC/Pocket PC Phone Edition Windows Mobile 6 Classic/Professional* Windows XP/XP Tablet Edition Palm OS 5.2 or greater Symbian Series 60/80

INCLUDED SOFTWARE AND HARDWARE	
Included Software	Installation Utility; SocketScan for Windows Mobile, WindowsXP/XP Tablet Edition, Palm OS, Symbian OS; Connect!Agent for Windows Mobile; Socket Mobile Floating Trigger
Package Contents	Cordless Hand Scanner Series 7; AC charger with plugs for USA, Europe, UK, Australia; 2 NiMH rechargeable AAA batteries; CD with software and user documentation; lanyard/belt clip with retractable tether

OPTIONAL ACCESSORIES			
	CHS 7E *Entry Level*	**CHS 7M** *Mid-Range*	**CHS 7P** *Performance*
Scanning Companion	USB *Bluetooth* adapter completes your CHS Series 7 by enabling you to operate with any notebook, tablet or desktop computer running Windows XP Service Pack 2 (SP2) with a USB slot. SKU# BL4543-734		
Charging Cradle	SKU# AC4034-862		SKU# AC4026-708

WARRANTY, REGULATORY COMPLIANCE		
Warranty	Scanner: One year Accessories: 90 days SocketCare enhanced service program available separately	
Certification/ Compliance	FCC: Part 15, Class B, CE: EN55024:2003, C-TICK: s.182, RoHS	FCC: Part 15, Class B, CE: EN55024:2003, IEC60825-1:1993 +A1:1997 +A2:2001, Japan VCCI (pending), C-TICK: s.182, RoHS

SKU NUMBERS			
	CHS 7E *Entry Level*	**CHS 7M** *Mid-Range*	**CHS 7P** *Performance*
SKU #	CX2804-493	CX2800-489	CX2821-656

*WM 6 Professional supported if *Bluetooth* stack implements Serial Port Profile (SPP)

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