

Bluetooth® Cordless Hand Scanner

Series 7 (v3)

SPECIFICATION SHEET

MODEL		7E	7M	7P	7X , 7XRx	7Xi , 7XiRx
PHYSICAL	Dimensions	129 x 40.1 x 34.6 mm (5.07 x 1.57 x 1.36 in.)	129 x 40.1 x 34.6 mm (5.07 x 1.57 x 1.36 in.)	132 x 45.1 x 37.9 mm (5.20 x 1.77 x 1.49 in.)		
	Total Mass	51 g (1.8 oz)	51 g (1.8 oz)	approximately 68 g (2.4 oz)		
	Ruggedized Case	N/A	N/A	Withstands multiple 1.5 m (5 ft) drops to concrete		
	Antimicrobial Rating (JIS Z2801:2000 Test)	N/A	N/A	N/A	7XRx and 7XiRx only: 2.49 on MRSA 6.07 if cleaned with Sani-Cloth Plus cloth wipes	
	Antimicrobial Additive	N/A	N/A	N/A	7XRx and 7XiRx only: Biosafe® HM4100, EPA# 83019-1	
	Built-in Stylus Tip	Included, designed for Pocket PC or other resistive device touch screens				Not included
ENVIRONMENTAL	Operating Temp. ¹	+32 to +122°F (0 to +50°C)				
	Storage Temp. ¹	-22 to +158°F (-30 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)			0 to 100,000 lux	
POWER	Battery Type	Two AAA NiMH rechargeable batteries			One Li ion rechargeable battery	
	Battery Life	19 hours or 15,000 scans ²			10 hours on single charge ²	
	Battery Charging Time	5 hours (under conditions of 0 to +40°C)			3 hours	
SCANNER PERFORMANCE	Scanner Type	Class 1 laser	Class 2 laser	Class 2 laser	High-Density Omni-Directional Imager	
	Barcode Support	Linear (1D), Stacked linear composite			2D, 1D, stacked linear	
	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		Same as 7E, 7M Best option for scanning VIN vehicle numbers	Same as other models (except Chinese 2 of 5) plus 2D: <u>1D</u> : Codabar (with ISBT 128 bit concatenation) <u>2D</u> : Aztec, Codablock, Data Matrix, GS1 (EAN.UCC), Matrix 2 of 5, Maxicode, PDF 417/ Macro PDF 417/ Micro PDF 417, QR Code, RM4SCC, Standard 2 of 5, Telepen, TLCode 39 <u>Postal</u> : Australia Post, BP0 4, Canada Post, Dutch Post (KIX), GS1 (EAN.UCC), Japan Post, Planet, Postnet, RM4SCC, Sweden Post, Telepen, TLCode 39, 4 State Code 7Xi / 7XiRx also support USPS Intelligent Mail and Direct Part Marking (DPM)	
	Scan Repetition Rate	100 scans/sec bi-directional			Omni-directional / Auto Adaptive <u>2D mode</u> : 56 images/second <u>1D mode</u> : 200 images/second	
	Optical Resolution	0.004 inch (0.102 mm) minimum/barcode element width (X Dimension)			752(H) x 480(V) pixels, 256 gray levels	
	Print Contrast	Minimum 25% absolute dark/light reflectance (MRD) at 650 nm			Down to 25%	
	Scan Angle	Wide (default): 47° ±3° Narrow: 35° ±3°			Horizontal: 38.9° Vertical: 25.4°	
	Decode Distance ¹	3.8 to 27 cm (1.5 to 10.5 in.)	3.8 to 114+ cm (1.5 to 45+ inches)		3.8 to 27 cm (1.5 to 10.5 in.)	
	Vibrate Mode	Not included			Tactile feedback confirms successful transfer of scanned data	

¹Temperature range may vary depending on shelf life of battery/batteries.

²With Bluetooth enabled, based on elapse time of 5 seconds/scan under typical usage conditions. Battery performance may vary depending on vibrate settings and work environment.

MODEL

7E

7M

7P

7X , 7XRx

7Xi , 7XiRx

BLUETOOTH®

Profile Support	Human Interface Device (HID) and Serial Port Profile (SPP)	
Bluetooth Protocol	Bluetooth 2.1 +EDR (Enhanced Data Rates) with 56 bit data encryption, Bluetooth QD ID B0164000	
Bluetooth Frequency	2.4 to 2.4835 GHz ISM band, supports Advanced Frequency Hopping	
Radio Range	Class 1 Bluetooth: Up to 330 ft (100 m), depending on environment	
Supported Bluetooth Stacks for Windows	Mobile: Broadcom 1.8 or 1.9, Microsoft 7, Vista, XP: Broadcom 5.1.0.1700 or later, Microsoft, Toshiba 4.00.34, 5.00.06F or later	Bluetooth 2.1, 2.0: Microsoft, Toshiba, Broadcom ² , BlueSoleil (v2.0 only)

OS / DEVICE SUPPORT

Operating System / Device Support in Bluetooth HID mode (no software required)	Android OS 2.2 to 3.x with Bluetooth HID support Apple® iOS (supports on-screen keyboard ³): iPod touch® (4th generation), iPod touch (3rd generation), iPhone® 4, iPhone 3GS, iPad® 2, iPad (iPhone 3G not supported for HID mode) Apple Mac OS® X 10.4 to 10.6.6 for Mac® / MacBook® ⁴ Windows Mobile 6.x with Microsoft Bluetooth stack (e.g., Socket SoMo 650) Windows 7, Vista, XP QNX for BlackBerry PlayBook	
Operating System / Device Support in Bluetooth SPP mode (SocketScan 10 software installation required)	Android OS 2.1to 3.x for Acer Iconia Tab A500, Dell Streak, HTC Desire / Droid Eris / EVO 4G / Hero / Magic / Sensation / Touch Pro 2, LG Optimus M, Motorola Backflip / Droid / Droid Pro / Xoom, Samsung Galaxy Tab / Vibrant Galaxy S, T-Mobile myTouch 3G / GARMINphone / G2 / G2x, etc. Windows Mobile 6.x with Microsoft or Broadcom Bluetooth stack (e.g., Socket SoMo 650, HP iPAQ, HTC HD2) Windows 7, Vista, XP with Microsoft, Toshiba, Broadcom or BlueSoleil Bluetooth stack BlackBerry OS ⁴ for Bold / Bold 2 - 90xx, 96xx, 9700; Curve 82xx, 83xx, 85xx; Pearl 81xx; Storm 95xx; Tour 96xx	Same as other models plus Apple iOS for iPod touch (4th generation), iPod touch (3rd generation), iPhone 4, iPhone 3GS, iPhone 3G, iPad 2, iPad. For iOS, compatible application required ⁵
Included Software	SocketScan™ 10 keyboard wedge for Windows, BlackBerry, Android OS. Socket Floating Trigger for Windows	
SDK	SocketScan 10 Software Developer's Kit sold separately. http://www.socketmobile.com/products/sdk/	

STANDARD OFFERING

Included Items	Socket Bluetooth Cordless Hand Scanner AAA rechargeable batteries (2) USB AC charger kit Lanyard/belt clip with retractable tether Software (for SPP mode only)	Socket Bluetooth Cordless Hand Scanner Li ion rechargeable battery USB AC charger kit Lanyard/belt clip with retractable tether Software (for SPP mode only)
Warranty	Scanner: One year Accessories: 90 days	
Extended Warranty	SocketCare™ enhanced service program sold separately. Standard SKU# CX003S-783 Premium SKU# CX003P-784	

COMPLIANCE

Electrical Safety	Certified to IEC 60950-1, UL 60950-1, CAN/CSA C22.2	Same as other models plus Apple iOS certified (pending)
Environmental	RoHS	
EMI/RFI	FCC Part 15 Class C, RSS 210, iCES 003, C-Tick, CISPR 22, CE EN55022, EN55024, TELEC	
Laser / LED Safety:	IEC 60825-1, EN 60825-1	

¹Depends on symbol size, symbology, label media, W-N ratio, scan angle. 7E supports minimum barcode size of 6mils, based on standard Code 128.

²Bluetooth 2.1 recommended for best results.

³Requires Revision B or later of CHS v3 7E / 7M / 7P or Revision G or later of CHS 7X / 7XRx.

⁴Tested on Mac OS X 10.4 to 10.6.6 with Bluetooth driver v2.2.4f3 (v1965) or v2.3.7f1. Other versions not tested.

⁵List of compatible applications coming soon. SocketScan 10 SDK for Apple iOS required for 7Xi / 7XiRx developers.



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MODEL	DESCRIPTION	SKU - SINGLE UNIT
7E	Class 1 laser	CX2858-1294
7M	Class 2 laser	CX2860-1296
7P	Class 2 laser, durable	CX2862-1298
7X	2D and 1D, durable	CX2854-1276
7XRx	2D and 1D, durable, antimicrobial	CX2856-1278
7Xi	2D and 1D, durable, Apple iOS certified (pending)	CX2864-1336
7XiRx	2D and 1D, durable, antimicrobial, Apple iOS certified (pending)	CX2866-1338