

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.)		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	
ENVIRONMENT	Temperature	Operating: +32 to +122°F (0 to +50°C) Storage: -22 to +158°F (-30 to +70°C) <i>Ranges may vary with battery shelf life.</i>					
	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: 1D: Codabar (w/ ISBT 128 bit concatenation) 2D: 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 Postal: 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 2D mode: 56 images/second 1D mode: 200 images/second		
	Optical Resolution	0.004 inch (0.102 mm) min./barcode element width			752(H) x 480(V) pixels, 256 gray levels		
	Print Contrast	Minimum 25% MRD at 650 nm			Down to 25%		
	Scanning Barcodes on Device Screens	Not supported			Supported		
	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			

¹With Bluetooth enabled, based on elapse time of 5 sec./scan with typical usage conditions. Battery performance may vary depending on vibrate settings & 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

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 (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 Windows 7, Vista, XP QNX	
Operating System / Device Support in Bluetooth SPP mode (SocketScan 10 software installation required)	Android OS 2.1 to 3.x Windows Mobile 6.x with Microsoft or Broadcom Bluetooth stack Windows 7, Vista, XP with Microsoft/ Toshiba/ Broadcom / BlueSoleil Bluetooth stack BlackBerry OS ⁴	Same as other models plus Apple iOS, SDK required ⁵
Included Software	SocketScan™ 10 keyboard wedge for Windows, BlackBerry, Android OS	
SDK	SocketScan 10 Software Developer's Kit sold separately. http://www.socketmobile.com/products/sdk/	

Check your device compatibility online at: <http://www.socketmobile.com/compatibilitychecker/>

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 (factory installed) 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™ service program sold separately. SocketCare Plus 2 Year SKU# SC1804-1349 3 Year SKU# SC1805-1350	

COMPLIANCE

Electrical Safety	Certified to IEC 60950-1, UL 60950-1, CAN/CSA C22.2	Same as other models plus Apple iOS certified to support Bluetooth SPP connections with iPad, iPhone, iPod touch
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. Compatible with all Revisions of CHS 7Xi and 7XiRx

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.

⁵SocketScan 10 SDK for Apple iOS required for 7Xi / 7XiRx developers.



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TYPE	MODEL	DESCRIPTION	SKU
General Purpose	7E	Class 1 laser	CX2858-1294
	7M	Class 2 laser	CX2860-1296
Extra Durable	7P	Class 2 laser, durable	CX2862-1298
	7X	2D and 1D, durable	CX2854-1276
	7XRx	2D and 1D, durable, antimicrobial	CX2856-1278
Apple iOS Certified	7Xi	2D and 1D, durable	CX2864-1336
	7XiRx	2D and 1D, durable, antimicrobial	CX2866-1338