

## Specification Sheet

### PHYSICAL

MODEL	7E2	7NRx	7M2	7P	7X	7XRx
Dimensions	125 x 31 x 35 mm (4.9 x 1.2 x 1.4 in.)	137 x 31 x 37 mm (5.3 x 1.2 x 1.5 in.)	125 x 31 x 35 mm (4.9 x 1.2 x 1.4 in.)	137 x 31 x 37 mm (5.3 x 1.2 x 1.5 inches)		
Total Mass	51 g (1.8 oz)	~68 g (2.4 oz)	51 g (1.8 oz)	approximately 68 g (2.4 oz)		
Ruggedized Case	N/A	Same as 7P, 7X	N/A	Withstands multiple 1.5 m (5 ft) drops to concrete Dust, shock, and water resistant		
Antimicrobial Rating (JIS Z2801:2000 Test)	N/A	2.49 on MRSA, 6.07 when cleaned with Sani-Cloth® Plus cloth wipes	N/A	N/A	N/A	2.49 on MRSA, 6.07 when cleaned with Sani-Cloth® Plus cloth wipes
Built-in Stylus Tip	For use with device touch screens					

### ENVIRONMENTAL

Operating Temp. <sup>1</sup>	+32 to +122°F (0 to +50°C)					
Storage Temp. <sup>1</sup>	-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 with <i>Bluetooth</i> Enabled	19 hours or 15,000 scans <sup>2</sup>				10 hours on single charge <sup>2</sup>	
Battery Charging Time	3 hours (under conditions of 0 to +40°C)					

### SCANNER PERFORMANCE

Scanner Type	Class 1 laser	Class 1 laser	Class 2 laser	Class 2 laser	High Density Imager with Performance Aiming System
Barcode Support	Linear (1D), Stacked linear composite				2D, 1D, stacked linear
Symbologies Decoded	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), ISBN, MSI, UPC/EAN, Webcode			Same as 7E2, 7NRx, 7M2  Recommended for VIN vehicle numbers	Same as other models plus: <u>2D</u> : Aztec, Codablock, Data Matrix, GS1 (EAN.UCC), Matrix 2 of 5, Maxi- code, PDF 417/ Macro PDF 417/ Micro PDF 417, Plessey, 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, Post- net, RM4SCC, Sweden Post, Telepen, TLCode 39, 4 State Code
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/bar code element width (X Dimension)				752(H) x 480(V) pixels, 256 gray levels
Print Contrast	Minimum 25% absolute dark/light reflectance (MRD) measured at 650 nm				Down to 25%
Scan Angle	Wide (default): 47° ±3° Narrow: 35° ±3°				Horiz.: 38.9° Vertical: 25.4°

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

<sup>2</sup>Based on elapse time of 4.8 seconds/scan under typical usage conditions. Results include both *Bluetooth* and vibrate recognition enabled for the 7X and 7XRx.

MODEL	7E2	7NRx	7M2	7P	7X	7XRx
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SCANNER PERFORMANCE

Decode Distance <sup>1</sup>	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.)
Tactile Vibrate Recognition	Not included		Confirms successful data transfer in high ambient noise environments

BLUETOOTH®

Interface Standard	Bluetooth Serial Port Profile (SPP)		Bluetooth Human Interface Device (HID) <sup>2</sup>
Bluetooth Protocol	Bluetooth 2.0 with Enhanced Data Rates (EDR)		Bluetooth 2.1 with EDR
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		
Compatibility	Windows COM port, Bluetooth QD ID B0164000		
Security	56 bit encryption		
Typical Output	12 dbm		
Supported Bluetooth Stacks for Windows	Mobile: Broadcom 1.5 or later, Microsoft, Stonestreet One 1.2.4 (Build 1783) XP/Vista/7: 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 <sup>3</sup> , BlueSoleil (v2.0 only)

SOFTWARE

Operating System Support	Windows Mobile 6 Classic/Professional (requires Bluetooth Serial Port Profile) Windows Mobile 2003 / 2003SE / 5.0 for Pocket PC / Pocket PC Phone Edition Windows CE.NET for Intermec CK3 Windows 7, Vista, XP Palm OS for Treo, Pre RIM BlackBerry OS for Bold 9000, Curve 83xx, Pearl 81xx, Storm 95xx Symbian OS for Nokia E61, E61i, E71 <sup>4</sup>	Windows Mobile 6.1 or 5 Windows 7, Vista, XP Mac OS 10.4 or greater <sup>5</sup> Symbian OS for Nokia E71 <sup>4</sup>  <i>Note: RIM BlackBerry support will be available upon Bluetooth HID support from the device.</i>
Included Software	SocketScan™ keyboard wedge software Connect!Agent™ Bluetooth software for Windows Mobile Socket Floating Trigger for Windows Mobile, 7, Vista, XP	No software required <sup>2</sup>

STANDARD OFFERING

Included Items	Socket Bluetooth Cordless Hand Scanner AAA rechargeable batteries Charging source Lanyard/belt clip with retractable tether Software and Documentation	Socket Bluetooth Cordless Hand Scanner Li ion rechargeable battery Charging source Lanyard/belt clip with retractable tether Documentation
Warranty	Scanner: One year Accessories: 90 days SocketCare™ enhanced service program available separately, visit <a href="http://www.socketmobile.com/socketcare">www.socketmobile.com/socketcare</a>	

COMPLIANCE

Electrical Safety	Certified to IEC 60950-1, UL 60950-1, CAN/CSA C22.2
Environmental	RoHS
EMI/RFI	FCC Part 15 Class C, RSS 210, iCES 003, C-Tick, CISPR 22, CE EN55022, EN55024
Laser / LED Safety:	IEC 60825-1, EN 60825-1

<sup>1</sup>Depends on symbol size, symbology, label media, W-N ratio, scan angle.      <sup>2</sup>SPP support with software will be available in a future release.  
<sup>3</sup>Broadcom v2.1 is recommended for best results.      <sup>4</sup>Other devices running Symbian OS 9.1 or greater may be supported.  
<sup>5</sup>Compatible with Mac OS Bluetooth stack v2.2.4f3 (v1965). Other versions not tested.



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MODEL	DESCRIPTION	SKU - SINGLE UNIT	SKU - 20 PACK
7E2	Class 1 laser	CX2845-1180 yellow CX2847-1193 gray	CX2846-1181 yellow CX2848-1194 gray
7NRx	Class 1 laser, rugged, antimicrobial	CX2852-1245	CX2842-1148
7M2	Class 2 laser	CX2850-1243	CX2851-1244
7P	Class 2 laser, rugged	CX2830-1097	CX2831-1098
7X	2D and 1D, rugged	CX2849-1242	CX2853-1271
7XRx	2D and 1D, rugged, antimicrobial	CX2843-1160	CX2844-1161

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