

Specification Sheet

MODEL	7E2	7M2	7P	7X	
PHYSICAL	Dimensions	125 x 31 x 35 mm (4.9 x 1.2 x 1.4 inches)		137 x 31 x 37 mm (5.3 x 1.2 x 1.5 inches)	
	Total Mass	51 g (1.8 oz)		approx. 68 g (2.4 oz)	
	Ruggedized Case	N/A		Withstands multiple 1.5 m (5 ft) drops to concrete. Dust, shock, and water-resistant	
	Built-in Stylus Tip	For use with device touch screens			
ENVIRONMENTAL	Operating Temperature	+32 to +122°F (0 to +40°C)		-4 to +144°F (-20 to +60°C)	
	Storage Temperature	-40 to +158°F (-40 to +70°C)		-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	
ELECTRICAL	Power Source	Two AAA NiMH rechargeable batteries		One Li ion rechargeable battery	
	Expected Battery Life	Typical usage conditions with <i>Bluetooth</i> connection: 19 hours or 15,000 scans*		10 hours on single charge	
	Laser Power (650 nm)	0.7 mW (±0.1 mW)	1.7 mW (±0.2 mW)	1.7 mW (±0.2 mW)	N/A
SCANNER PERFORMANCE	Scanner Type	Class 1 laser	Class 2 laser	Class 2 laser	High Density CMOS imager
	Barcode Types Decoded	Linear (1D), Stacked linear composite			1D, 2D, 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 7E2/7M2 Recommended for VIN vehicle numbers	Same as other models (except Discrete 2 of 5) plus: Australia Post, Aztec, BP04 State Code, Canada Post, Codablock, Data Matrix, Dutch Post, GS1 (EAN.UCC), ISBN, Japan Post, Matrix 2 of 5, Maxicode, PDF 417/ Macro PDF 417/ Micro PDF 417, Planet, Plessey, Postnet, QR Code, RM4SCC, Standard 2 of 5, Sweden Post, Telepen, TLCode 39, 4 State Code
	Scan Repetition Rate	100 scans/sec bi-directional			2D mode: 56 images/second, auto adaptive 1D emulation mode: 200 images/second, adaptive
	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°
	Decode Distance*	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 vibration recognition feature	Not included			Confirms successful data transfer in high ambient noise environments

*Based on elapse time of 4.8 seconds/scan

**Typical decode distance, depends on symbol size, symbology, label media, W-N ratio, scan angle

	MODEL	7E2	7M2	7P	7X
BLUETOOTH®	Interface Standard	Bluetooth Serial Port Profile (SPP)			Bluetooth HID
	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 300 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: Microsoft for Windows 7 Bluetooth 2.0: BlueSoleil v2.3.00 or 5.4.11, Broadcom, Microsoft SP3, Toshiba Bluetooth 1.2/1.1: Toshiba

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 5.2 or greater RIM BlackBerry OS for Bold 9000, Curve 83xx, Pearl 81xx, Storm 95xx Symbian OS for Nokia E61, E61i, E71 (other Symbian devices may be supported)	Windows Mobile 6.1 or 5 Windows 7, Vista, XP
	Included Software	Installation Utility SocketScan™ keyboard wedge software Connect!Agent™ Bluetooth software for Windows Mobile Socket Floating Trigger for Windows Mobile, XP, Vista, 7	No software required

STANDARD OFFERING	Included Items	Socket Bluetooth Cordless Hand Scanner Series 7 USB charging cable Two AAA NiMH rechargeable batteries CD with software and user documentation Lanyard/belt clip with retractable tether	Same as others except: One Li ion rechargeable battery, AC adapter with international plugs instead of USB charging cable
	Warranty	Scanner: One year Accessories: 90 days SocketCare™ enhanced service program available separately, visit www.socketmobile.com/socketcare	

OPTIONAL ACCESSORIES	Scanning Companion	USB Bluetooth adapter for notebook/tablet/desktop PC running Windows XP SP2. SKU# BL4543-734		
	Charging Cradle	SKU# AC4034-862	For rugged scanners SKU# AC4026-708	
	Car Charger	DC Power Supply. SKU# HC1630-882		

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		



Sales Offices
Corporate Headquarters:
39700 Eureka Drive
Newark, CA 94560 USA

Web: socketmobile.com

Phone: +1-510-933-3000

USA & Canada Toll Free: 800-552-3300

Fax: +1-510-933-3030

Online: socketmobile.com/contact

	MODEL	7E2	7M2	7P	7X
SKU	Single unit	CX2845-1180 yellow CX2847-1193 gray	CX2850-1243	CX2830-1097	CX2849-1242
	20 pack	CX2846-1181 yellow CX2848-1194 gray	CX2851-1244	CX2831-1098	N/A

© 2009 Socket Mobile, Inc. Socket, the Socket logo, Socket Bluetooth Cordless Hand Scanner, SocketScan, SocketCare, SoMo, Business Mobility Now! and Connect!Agent are registered trademarks or trademarks of Socket Mobile, Inc. The Bluetooth wordmark and logo are registered trademarks of the Bluetooth SIG, Inc. USA and any use by Socket Mobile, Inc. is under license. All other brand and product names are trademarks of their respective holders. 6450-001545 12/2009