socket.
 Bluetooth® Cordless Hand Scanner Series 7

Lightweight, Pocket-sized, Dependable

Data Collection for Mobile Workers

The Socket Bluetooth Cordless Hand Scanner (CHS) Series 7 brings industrial-class barcode scanning into a pocket-sized form factor. It enables new opportunities to bring the productivity benefits of 2D and 1D barcode scanning to mobile workers.

The CHS provides the right features to simplify data collection, giving users an essential tool that they can rely on. Its light, ergonomic yet rugged design withstands the daily rigors of field use. It's comfortable to use for long periods of scanning and slips easily into a pocket, carry on a lanyard or attach to a belt.

Battery Friendly® technology enables multi-shift/ multiday scanning and reduces the power consumption of the host computer while providing the freedom of a reliable, long range wireless connection.

The wide range of host device support and complete SocketScan™ software suite eases integration into existing applications. For new deployments, Socket's VAR / integrator partners provide diverse solutions which integrate the Socket Bluetooth CHS Series 7.

Features:

- Comfortable to use over extended periods and easy to carry
- Easy integration with applications on mobile computing platforms
- Dependable with long battery life and reliable, long-range *Bluetooth* connection

	WHICH VERSION IS RIGHT FOR YOU?
CHS 7E2 Reliable, Affordable 1D Laser	 For light-duty or general-purpose indoor scanning Reads all common 1D/linear and stacked barcodes up to 10.5" (27 cm) away Class 1 laser technology
CHS 7M2 Long-range 1D Laser	 Moderate to intensive scanning, including ISBN book and VIN numbers Easy to use and can scan thousands of barcodes per day, up to 45" (114 cm) away Reads 1D and stacked barcodes, even if they are worn or damaged Class 2 laser technology
CHS 7P Rugged Long-range 1D Laser	 High-performance for scanning small barcodes indoors or outdoors Ruggedized dust, shock and water resistant case withstands 5 ft (1.5 m) drops Ideal for reading VIN numbers, through Mylar / thick glass or damaged barcodes Easy to use and can scan thousands of barcodes per day, up to 45" (114 cm) away Class 2 laser technology reads 1D and stacked barcodes
CHS 7X Rugged 1D & 2D Omni- directional	 Xtreme performance for 2D, 1D, PDF barcodes, including small barcodes Ruggedized dust, shock and water resistant case withstands 5 ft (1.5 m) drops Bluetooth v2.1 with 330 ft (100 m) range No software installation required, edit data with special barcodes Tactile vibrate recognition for high ambient noise environments
CHS 7XRx CHS 7NRx Rugged Antimicrobial 1D & 2D	 Features an antimicrobial case inhibiting growth of bacteria and microbes Ruggedized dust, shock and water resistant case withstands 5 ft (1.5 m) drops 2D or 1D barcodes, reads worn, poorly printed or damaged barcodes Bluetooth v2.1¹ or v2.0 with 330 ft (100 m) range Tactile vibrate recognition for high ambient noise environments¹



HARDWARE FEATURES

- Bluetooth 2.1¹ or 2.0 Class 1 wireless connection (up to 330 ft/100 m from host device)
- Rugged versions withstand multiple drops onto concrete and are dust, shock and water resistant
- Antimicrobial versions for healthcare, food service and other hygiene sensitive applications
- Battery Friendly[®] technology enables extensive battery life on a single charge
- LED indicates good scan, connection, power status
- Tactile Vibrate Recognition for high ambient noise environments¹
- Built-in stylus tip for use with touch screen devices
- Works with Bluetooth enabled PDAs, smartphones and computers including: Apple iPad, iPhone, iPod touch; Windows platforms; and Nokia, Palm and BlackBerry smartphones²
- Error Proof Protocol[™] ensures scanned data reaches host computer over Bluetooth link

SOFTWARE FEATURES³

- Connect!Agent software for Windows Mobile automatically configures and manages the Bluetooth connection
- SocketScan[™] keyboard wedge software enters scanned data into any application — no custom programming needed
- Eliminate manual data entry with automatic prefix / suffix functions, such as carriage return and tab
- Power and beep tone management
- SocketScan Symbology Selector for enabling/ disabling barcode symbologies
- View the properties of any barcode for any of the supported symbologies
- Bluetooth security and reconnection options
- No license fee for standard software
- Works with Windows-based development tools for custom applications (SDK available)
- SocketScan Floating Trigger lets you conveniently tap an on-screen icon to trigger the scanner
- SocketScan ActivePairing[™] and Permanent Pair make the Bluetooth connection quick, easy, and convenient



¹Version 7X and 7XRx only.

2Not all scanner versions support all OS platforms or devices. See specifications for specific smartphone models.

³Software not required for Bluetooth HID mode of 7X and 7XRx.

Socket *Bluetooth* Cordless Hand Scanner (CHS)

Series 7

In the Box:

- Socket Bluetooth Cordless Hand Scanner
- Charging source
- Lanyard/belt clip with retractable tether
- Rechargeable battery
- Software (laser versions only) and documentation

Optional Accessories:

- Lanyard / belt clip
- Charging Cradle
- USB to DC Plug Charging Cable
- AC Charger with International Plugs
- Car Charger
- Scanning Companion: USB *Bluetooth* Adapter
- Mobile Power Pack: portable battery pack (Available only in Americas and Asia Pac)
- SocketScan SDK

For more information, please visit: http://ww1.socketmobile.com/products/ bluetooth-scanners/accessories-bt1.aspx



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	SPECIFICATIONS							
	CHS 7E2 Short-Range 1D Laser	CHS 7NRx Short-Range 1D Laser	CHS 7M2 Long-Range 1D Laser	CHS 7P Long-Range 1D Laser	CHS 7X Omni-directional 2D & 1D	CHS 7XRx Omni-directional 2D & 1D		
SKU #	CX2847-1193	CX2852-1245	CX2850-1243	CX2830-1097	HID: CX2849-1242 SPP: CX2854-1276	HID: CX2843-1160 SPP: CX2856-1278		
Scanner Type	Class 1 laser (11))	Class 2 laser (1	D)	High Density Imager with Performance Aiming (2D, 1D)			
Symbology Support	Code 39, Code Bar (RSS), GS1-	Codabar, Code 1 93 , Discrete 2 of 128 (UCC-128 / E/ TF-14), ISBN, MSI	5, GS1 Data- AN-128), Inter-	Same as 7E2, 7NRx, 7M2 Recom- mended for VIN vehicle numbers	Same as other models (except Chi- nese 2 of 5), plus: Aztec, Codabar with ISBT 128 bit concatenation, Codablock, Data M trix, GS1 Composite (EAN / UCC Composite), GS1 DataBar Limited (RSS Limited), Matrix 2 of 5, Maxi- Code, PDF 417, Macro / Micro PDF 417, Plessey, QR Code, Standard 2 of 5, Telepen, TLCode 39, postal (vari- ous)			
Decode Distance ¹	1.5 to 10.5 inch	nes (3.8 to 27 cm)	1.5 to 45+ in.	(3.8 to 114+ cm)	1.5 to 10.5 in. (3.8	to 27 cm)		
Ruggedized Case		✓		1	✓ ✓	<i>√</i>		
Antimicrobial Case		<i>」</i>				1		
Tactile Vibrate Recognition					1	1		
Operating Temperature	+32 to +122°F	(0 to +50°C)				•		
Battery Type	Two AAA NiMH rechargeable batteries One Li-ion rechargeable battery							
Battery Life with Bluetooth Enabled	19 hours or 15,000 scans ² 10 hours on single charge					charge		
OS Support								
• Windows Mobile ³	1	1		1	✓ ✓	1		
• Windows CE.NET ³	<i></i>	1						
• Win 7, Vista, XP ³	1	1			1	✓ ✓		
• Palm OS ³	<i></i>							
• RIM BlackBerry ³	<i></i>			1	✓ ✓	<i>J</i>		
• Symbian (Nokia) ³	<i>✓</i>	1		1	1	<i>J</i>		
 Apple iPad, iPhone, iPod touch⁴ 					1	✓		
Interface Standard	Bluetooth Serial Port Profile (SPP) Bluetooth HID only or HID and SPP							
Bluetooth Protocol	Bluetooth 2.0 + Enhanced Data Rate (EDR) Bluetooth 2.1 + EDR							
Radio Range	Class 1 <i>Bluetooth</i> - Up to 330 ft (100 m), depending on environment							
Included Software	SocketScan: Windows Mobile, 7, Vista, XP, Palm, RIM, Symbian HID: No software required SocketScan: Windows Mobile SPP: Includes same software for Floating Trigger: Windows Mobile, 7, Vista, XP Windows Mobile, 7, Vista, XP, RIM							
Certification/ Compliance	Electrical Safety: Certified to CAN/CSA C22.2 No. EN60950-1, EN60825-1, IEC60601 Environmental: ROHS EMI/RFI: FCC Part 15 Class B, VCCI, CE EN55024:2003 Laser/LED Safety: IEC60825-1, EN 60825-1							
Warranty	Barcode scanne SocketCare en	er: One year Ad nanced service pr	ccessories: 90 da ogram available					

¹Depends on symbol size, symbology, label media, W-N Ratio, scan angle

²Based on elapse time of 4.8 seconds / scan under typical usage conditions. Results include Bluetooth and vibrate recognition enabled for 7X/7XRx ³Not all versions or devices are supported, see Specification Sheet at: <u>http://www.socketmobile.com/pdf/data-collection/chs-series7_spec.pdf</u> ⁴Other computers running Mac OS 10.4 or greater may also be supported. iPhone and iPod touch running OS 4 or later only.











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Mac OS

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Bluetooth[®] **Cordless Hand Scanner** Series 7 SPECIFICATION SHEET

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 if cleaned with Sani-Cloth® Plus cloth wipes	N/A	N/A	N/A	2.49 on MRSA, 6.07 if cleaned with Sani-Cloth Plus cloth wipes
Antimicrobial Additive	N/A	Biosafe [®] HM4100 EPA# 83019-1	N/A	N/A	N/A	Biosafe®HM410 EPA# 83019-1
Built-in Stylus Tip	For use with device touch screens					
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					

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 ²	10 hours on single charge ²
Battery Charging Time	3 hours (under conditions of 0 to +40°C)	

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), Stacke	d 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 (except Chinese 2 of 5) plus: <u>1D</u> : Codabar with ISBT 128 bit concatenation <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, Postnet, RM4SCC, Sweden Post, Telepen, TLCode 39, 4 State Code	
Scan Repetition Rate	100 scans/sec bi-dir	00 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%	

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

²Based 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.

POWER

	MODEL	7E2 7NRx	7M2	7P	7X	7XRx	
	Scan Angle	Wide (default): 47° ±3° Narrow: 35° ±3°			Horiz.: 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.)		
	Tactile Vibrate Recognition	Not included			Confirms successful data transfer in high ambient noise environments		
Γ	Interface Standard	Bluetooth Serial Port Profile (SPP)	Bluetooth HID only or HID and SPP				
	Bluetooth Protocol	Bluetooth 2.0 with Enhanced Data Rate	es (EDR)		Bluetooth 2.1 with	EDR	
	Bluetooth Frequency	2.4 to 2.4835 GHz ISM band, supports A	Advanced Frequency	Hopping	1		
	Radio Range	Class 1 Bluetooth: Up to 330 ft (100 m),	depending on envir	ronment			
	Compatibility	Windows COM port, Bluetooth QD ID E	30164000				
	Security	56 bit encryption					
F	Typical Output	12 dbm					
	Supported <i>Bluetooth</i> Stacks for Windows	<u>Mobile</u> : Broadcom 1.5 or later, Microsoft, Sto <u>XP/Vista/7</u> : Broadcom 5.1.0.1700 or later, Mic	<u>Bluetooth 2.1, 2.0</u> : Microsoft, Toshiba, Broadcom ² , BlueSoleil (v2.0 only)				
	Operating System Support	Windows Mobile 6 Classic/Professional (requires <i>Bluetooth</i> 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 the following series: Bold 9000, 9600, 9700; Curve 8200, 8300, 8500; Pearl 8100; Storm 9500; Tour 9600 Symbian OS for Nokia E61, E61i, E71 ⁴		HID or SPP: Windows Mobile 6. Windows 7, Vista, X HID only: Mac OS for Apple iPho Symbian OS for Nol SPP only: RIM Black	Pad ³ one, iPod touch cia E71 ⁴		
	Included Software	SocketScan™ keyboard wedge software Connect!Agent™ <i>Bluetooth</i> software for Windows Mobile Socket Floating Trigger for Windows Mobile, 7, Vista, XP			HID: No software re SPP: Includes same s Windows Mobile, 7	oftware for	
	Included Items	Socket <i>Bluetooth</i> Cordless Hand Scanner AAA rechargeable batteries Charging source Lanyard/belt clip with retractable tether Software and Documentation		Socket <i>Bluetooth</i> Cor Li ion rechargeable b Charging source Lanyard/belt clip with Documentation (Soft	attery n retractable tether		
,	Warranty	Scanner: One year Accessories: 90 days SocketCare™ enhanced service program available separately, visit www.socketmobile.com/socketcare					

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STANDARD OFFERING

SCANNEF

BLUETOOTH®

SOFTWARE

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

¹Depends on symbol size, symbology, label media, W-N ratio, scan angle. ²Broadcom v2.1 is recommended for best results. ³Also compatible with other computers running Mac OS 10.4 or greater with Bluetooth stack v2.2.4f3 (v1965). Other versions not tested. ⁴Other devices running Symbian OS 9.1 or greater may be supported.



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MODEL	DESCRIPTION	SKU - SINGLE UNIT	SKU - 20 PACK
7E2	Class 1 laser	CX2847-1193	CX2848-1194
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 (HID only) CX2854-1276 (HID + SPP)	CX2853-1271 (HID only) CX2855-1277 (HID + SPP)
7XRx	2D and 1D, rugged, antimicrobial	CX2843-1160 (HID only) CX2856-1278 (HID + SPP)	CX2844-1161 (HID only) CX2857-1279 (HID + SPP)

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Who We Are

We Owe Our Success To You

Why Choose BarcodesInc?

Dedicated Account A UbU[Yf

Our Account Managers will not compromise when it comes to providing you top-notch service. Your Account Manager is the primary point of contact for your business and makes it a priority to get to know you, your company and all your needs.

Highly-Trained Technical Support

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Incredible Value

Our purchasing power means big savings for you. Whatever your project, our team will work hard to deliver a solution that fits your budget.

Largest Inventory in the Industry and Same-Day Shipping

Whatever your barcoding, mobile computing, or printing needs, we will fill your order and ship it the same A 2

Premier Access to Top Manufacturers

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Every phone call and email is responded to promptly, completely and accurately by our customer service & at È

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<u>symbol</u>' AND MORE