

Lightweight, Pocket-sized, Dependable



The Socket *Bluetooth* Cordless Hand Scanner (CHS) Series 7 brings industrial-class barcode scanning into a portable, pocket-sized form factor.

Designed for Mobility:

- Small, light, portable
- Wireless with long-range *Bluetooth* connection
- Excellent ergonomics ensure comfortable use over extended periods
- Dependable performance with long battery life
- Easy integration with applications on diverse mobile computing platforms



General Purpose
(7C, 7E, 7M)



Extra Durable
(7P)



HARDWARE FEATURES

- Works with *Bluetooth* enabled PDAs, smartphones, tablets, notebooks and desktop computers:
 - Windows Mobile, 7, Vista, XP
 - Apple iPod touch, iPhone, iPad and Mac OS®
 - Android OS, BlackBerry OS, QNX
- Class 1 *Bluetooth* 2.1 + EDR provides secure, long-range wireless connection up to 330 ft / 100 m
- Battery Friendly® technology enables extensive battery life on a single charge
- CHS 7P features extra durable exterior casing to withstand multiple 1.5 m (5 ft) drops to concrete
- Easy to use with automatic reconnections
- LED and beeps indicate good scan, connection, and power status
- Vibrate mode for good scans, great for noisy environments where beeps are hard to hear (7P only)
- Allows access to Apple iOS on-screen keyboard
- Supports *Bluetooth* HID connections for easy setup with no software installation¹
- Supports *Bluetooth* SPP connections for advanced scanner control²

SOFTWARE FEATURES (SPP mode only)

- SocketScan™ 10 keyboard wedge software enters scanned data into any application — no custom programming needed
- Socket EZ Pair automates *Bluetooth* setup for maximum ease of use
- Suffix support — option to automatically add a carriage return or tab after each scan of data
- Configure beep, LED and vibrate settings
- Enable / disable symbology (barcode type)
- Monitor scanner battery level
- Determine the symbology or length of a barcode
- SocketScan 10 SDK available with optional developer compensation program
<http://www.socketmobile.com/products/sdk/>

General Purpose Barcode Scanners <i>Indoors</i>	7C	- Smallest, lightest and most affordable version - For light-duty scanning (<100 scans per day) up to 20" (51 cm) away - Scans barcodes printed on labels or displayed on device screens - Recommended for ISBN book scanning for book scouting or library apps
	7E	- For light-duty scanning (<100 scans per day) up to 10.5" (27 cm) away - Class 1 laser ideal for average size barcodes - Recommended for ISBN book scanning for book scouting or library apps
	7M	- For moderate to intensive scanning throughout 8-10 hour work shift - Class 2 laser has longer range for hard-to-reach areas like high shelves - Great for indoor scanning of ISBN or VIN (even scans through windshields)
Extra Durable Barcode Scanner <i>Indoors / Outdoors</i> <i>High Performance</i>	7P	- Efficiently scans thousands of barcodes per day, even on reflective surfaces - Best option for scanning VIN indoors and outdoors - even through windshield - Class 2 laser reads 1D linear barcodes, even if small or poorly printed

¹HID not supported for BlackBerry OS or iPhone 3G.

²SPP not supported for iOS, Mac OS or QNX.

CHS Model	7C (v3)	7E (v3)	7M (v3)	7P (v3)
SKU #	CX2868-1342	CX2858-1294	CX2860-1296	CX2862-1298
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 (5.2 x 1.77 x 1.49 in.)
Total Mass	45 g (1.6 oz)	51 g (1.8 oz)	51 g (1.8 oz)	approx. 68 g (2.4 oz)
Type of Exterior Case	Standard exterior case withstands 1.2 m (4 ft) drops to vinyl-covered concrete			Extra durable to withstand 1.5 m (5 ft) drops to concrete
Built-in Stylus Tip	Included, designed for Pocket PC or other resistive device touch screens <i>Support for capacitive device screens coming soon.</i>			
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 9690 lux Artificial 4845 lux	Sunlight: 10,000 ft. candles (107,640 lux) Artificial light: 450 ft. candles (4,844 lux)		
Battery Type	Two AAA NiMH rechargeable batteries			
Battery Life	19 hours or 11,000 scans	19 hours or 15,000 scans ¹		
Battery Charging Time	With AC adapter: approx. 5 hours (under conditions of 0 to +40°C)			
Barcode Scanner Performance				
Scanner Type	Imager (1D)	Class 1 laser (1D)	Class 2 laser (1D)	Class 2 laser (1D)
Scans Barcodes on Device Screens	✓			
Scans VIN through windshield			✓	✓
Vibrate Mode for Good Scans				✓
Symbologies Decoded	Same as 7E/M/P plus: UPC/EAN/JAN supplemental redundancy, Coupon Report, ISSN EAN, Inverse 1D, ISBT concatenations, Matrix 2 of 5	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		
Scan Repetition Rate	50 scans/sec	100 scans/sec bi-directional		
Optical Resolution	5 mil minimum	6 mil minimum	0.004 inch (0.102 mm) min./barcode element width	
Print Contrast	Minimum 20%	Minimum 25% MRD at 650 nm		
Scan Angle	53.3° ± 3°	Wide (default): 47° ±3° Narrow: 35° ±3°		
Decode Distance ²	5.7 to 50.8 cm (2.25 to 20 in.)	3.8 to 27 cm (1.5 to 10.5 in.)	3.8 to 114+ cm (1.5 to 45+ inches)	
Bluetooth Profile Support	Human Interface Device (HID) and Serial Port Profile (SPP) <i>Some OS versions or device models support only one profile.</i>			
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 Support	Please use online compatibility checker for specific device models, OS versions, etc. http://www.socketmobile.com/compatibilitychecker/			
• Apple iOS: iPad, iPhone, iPod touch	✓	✓	✓	✓
• Mac OS	✓	✓	✓	✓
• Android OS	✓	✓	✓	✓
• BlackBerry OS	✓	✓	✓	✓
• Windows 7, Vista, XP, Mobile	✓	✓	✓	✓
• QNX	✓	✓	✓	✓
SocketScan™ 10 Software	Keyboard wedge for Android, BlackBerry, Windows included. SDK sold separately, http://www.socketmobile.com/products/sdk/			
Included Items	CHS barcode scanner, AAA rechargeable batteries (2), USB AC charger kit, Lanyard/belt clip with retractable tether, Software			
Warranty	Scanner: One year Accessories: 90 days			
SocketCare™ Service Program	Sold separately. SocketCare Plus 2 Year SKU# SC1804-1349 SocketCare Plus 3 Year SKU# SC1805-1350 http://www.socketcare.com/			
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, TELEC			
Laser / LED Safety:	IEC 60825-1, EN 60825-1			

¹Based on elapse time of 5 seconds/scan under typical usage conditions. Battery performance may vary depending on vibrate settings and work environment.

²Depends on symbol size, symbology, label media, W-N ratio, scan angle.

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