



# Bluetooth Pocket Scanner

PF680BT · PL680BT Linear Imager Series

The ruggedized Bluetooth pocket scanner for enterprise applications

Powered by Innovative FuzzyScan 3.0 Imaging Technology and the latest Bluetooth v 4.0 cordless technology, the rugged yet compact Cino Bluetooth pocket scanner series marries impressive design and leading-edge technologies with industrial class reliability and functionality. It provides an optimum solution for mobile barcode scanning and data collection. It is more than hardware, it is a solution which you can count on to gain the exceptional ROI and TCO.

The latest Bluetooth v4.0 wireless technology adopted

Smart Cradle provides a plug-and-play cordless migration with more than 100m communication coverage

Support multiple connections up to 7 scanners in PICO mode

Bluetooth HID and SPP profiles supported to connect with most Bluetooth-enabled hosts

Compatible with the most popular iOS and Android devices

Compact, light-weight, ergonomic and easy-carrying form factor

IP65 rating well protects against particle and liquid

Rugged construction withstands multiple drops from 2.0 meter onto concrete

Integrated one big trigger key and two function keys for ease of use

Over 80,000 EAN-13 scans of memory storage for batch scanning

### Ultimate Portability

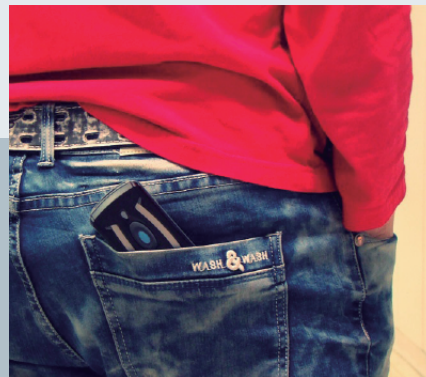
Cino Bluetooth pocket scanner series is constructed compactly which fits into your hand for single-handed operation perfectly. It can be put into your pocket or purse for easy-carrying no matter you are indoor or outside. Moreover, you can wear it around your neck or wrist with lanyard for accessing to it conveniently.

### High Reliability for Low TCO

Cino Bluetooth pocket scanner is designed to meet **IP65** rating which can totally protect against particle and liquid ingress. The over-mold design creates a robust protective shell around the device. This enables it withstand multiple drops from **2.0 meter** onto concrete. It also supports wide and flexible operating and storage temperature range. The cradle contact pin is with durability over **1,000,000** times. These features make Cino pocket scanner survive from any kind of harsh environment.

### Maximize Worker's Comfort

Cino Bluetooth pocket scanner's holding grip matches the contour of worker's hand and its scan angle is specially designed to meet human factors engineering. The ergonomic design will minimize worker's fatigue, allowing extended use for scan intensive operation.



Compact Form Factor



Rugged and Durable



Ergonomic Outer Shell

**O**ut-of-range scanning and auto-reconnection features

**E**fficient power management supports more than 40,000 scans on a single full charge

**O**utstanding reading capability on 3 mil barcode

**U**nsurpassed reading ability on low contrast, smudged, poorly-printed or damaged barcodes

**L**inear imager model and laser imager model are available for choice

**C**harging through cradle or micro USB cable

**M**ultip-cradle Solution at no extra cost

**O**ptional build-in vibrator for noisy and quiet working environment

**A**ntimicrobial model is available for healthcare applications

### Meet Today's Mainstream

Cino Bluetooth pocket scanner adopts Bluetooth v4.0, the latest Bluetooth wireless technology. It's completely backward compatible with previous Bluetooth versions and can be integrated with most of Bluetooth host devices seamlessly. Moreover, it comes with more enhancements, such as faster pairing speed, lower power consumption, higher transfer reliability, and less wireless interference.

### Flexible Connectivity

Cino Bluetooth pocket scanner provides several radio link modes to communicate with most host devices. It not only can connect to non-Bluetooth hosts via working with smart cradle in PAIR and PICO modes, but also can connect with most of mobile devices, such as smartphones, tablets and notebooks running on Windows, Android or iOS. via HID or SPP mode. The newly-designed HID mode allows you to pair the scanner with mobile devices simply and quickly without entering the passkey.

### Instant Cordless Migration

Cino Bluetooth pocket scanner can work with non-Bluetooth hosts, such as traditional desk top computer, through smart cradle in PAIR mode or PICO mode. This provides an instant plug-and-play cordless migration solution. In PICO mode, one smart cradle supports up to 7 scanners simultaneously. This can reduce the total IT infrastructure cost.



Bluetooth v 4.0 Technology



Several Radio Link Modes



Smart Cradle Solution

## Cost-saving Solution for Inventory Management

Besides online scanning operation, the batch scanning function allows the scanner to store over **80,000** EAN-13 barcode data. The unique quantity feature enables you to store the quantity information together with the scanned barcode data. Batch mode provides simple data collection function which is ideal for inventory application.

## Streamline your Workflow

The Cino Bluetooth pocket scanner is equipped with one big trigger button and two function buttons. These two function buttons allow you to enter power-off, sleep mode quickly without scanning the command barcodes. For example, when you use the scanner to work with iOS device, you can switch between barcode scanning and iOS device's on-screen keyboard quickly by pressing the function button twice. The friendly usability allows you to switch to different operations easily.

## Outstanding Reading Performance

Built with the advanced FuzzyScan 3.0 imaging technology, Cino Bluetooth pocket scanner is capable of reading most popular 1D, Linear-stacked, PDF417, GS1 DataBar and Composite barcodes. It can read 13 mil UPC/EAN barcode up to 24" as well as 3 mil high density barcode.

## Superior Readability

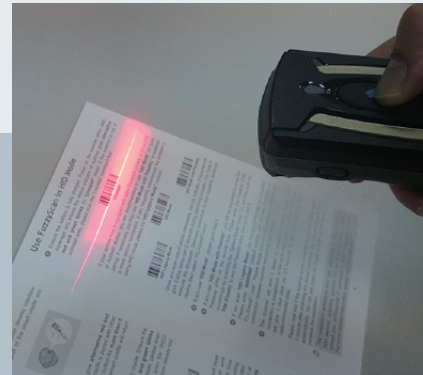
Thanks to FuzzyScan 3.0 imaging technology, Cino Bluetooth pocket scanner is capable of reading low contrast, damaged, smudged, poorly-printed and laminated barcodes that are commonly found in the real world quickly and accurately. To meet the emerging mobile commerce application, it can read paper-based and electronic bar codes shown on LCD screen. This makes the whole scanning process more efficiently and extra handling cost will be minimized.



Batch Scanning



User-friendly Function Keys



FuzzyScan 3.0 Technology



No Worry for Poor Barcodes

## Un-interrupted Scanning

The high-capacity Li-ion rechargeable battery is adopted by Cino Bluetooth pocket scanner. It protects the environment by simply recharging the battery instead of buying new batteries. The fully-charged standard battery can last more than **40,000** scans. It guarantees beyond one full eight-hour shift, no worry for interruption. Higher capacity battery is available if extended working hours is required.

## Flexible Installation

Thanks to the special designed mounting holes, the smart cradle can be flexibly linked together to form a multi-slot cradle by a small hard plate. You can get an instant multi-slot cradle solution without any extra investment and effort.



Efficient Power Management



Multi-slot Cradle Solution

# Target Markets and Applications

Cino Bluetooth pocket scanner provides you an ideal solution for your environment and application no matter you need bar code scanning at retail store, warehouse, distribution center, manufacturing plant, healthcare center or in the yard.

## Retail Applications

- Inventory Management
- Point of sale
- Returns processing
- Receiving and shipping
- Gift registry
- Mobile coupon program
- Document tracking

## Hospitality

- Guest check-in
- Loyalty card sign-up

## Manufacturing

- Inventory management
- Work-in-Process

## Field Sales

- Order fulfillment
- Account management
- Merchandising

## Transportation/Logistic

- Proof of delivery
- Vehicle tracking
- Boarding gate
- Mobile ticketing

## Filed Service

- Account management
- Installation and repair
- Asset checking

## Warehouse

- Shipping and receiving
- Inventory management
- Order picking

## Healthcare

- Pharmacy prescription
- Inventory management
- Counter service

## OPTIONAL ACCESSORIES



Smart Cradle  
Charging Cradle



Lanyard



Battery:  
1150mAh  
2300mAh



Battery Cover  
(for 2300mAh)



Cable:  
USB  
PS/2  
RS232  
Micro USB

# SPECIFICATIONS

## Performance Characteristics

Optical System	PL680BT: Laser Imaging Engine PF680BT: Linear Imaging Engine
Print Contrast	20% minimum reflective difference
Minimum Resolution	Typical 3 mil (Code 39, PCS 0.9)
Reading Range *1	Up to 24 inches on 100% UPC/EAN symbols
Light Source	PL680BT: 630nm visible red LED with laser aiming PF680BT: 630nm visible red LED
Scan Rate	Dynamic scanning rate up to 500 scans per second
Operating Mode	Trigger
Pitch/Skew/Tilt	± 65° / ± 65° / ± 55°
Configuration Setup	Bar code command Windows utility - FuzzyScan PowerTool
Data Editing	Condensed DataWizard via bar code command Full-feature DataWizard via FuzzyScan PowerTool DataWizard Premium via FuzzyScan PowerTool
User Interfaces	2 function keys, one scan button 3 LEDs for power, link and status indication Programmable beeper Optional vibrator

## Electrical Characteristics

Battery	3.7V, 1150mAh Li-ion rechargeable battery
Battery Charge Time	Approx. 3-4 hours per full charge

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## Communication Characteristics

RF Standard	Bluetooth v4.0
RF Frequency	Band 2.402~2.4830 GHz unlicensed ISM band
Radio Link Modes	PAIR mode, PICO mode, SPP mode, HID mode
Communication Range	More than 100 meters in open space when working with smart cradle, line of sight
Supported Profiles	SPP, HID
Supported Mobile OS	iOS (HID), Android (SPP & HID)

## Supported Symbologies

1D Linear	Code 39, Code 39 Full ASCII, Code 32, Code 39 Trioptic Code 128, GS1-128, Codabar, Code 11, Code 93 Standard & Industrial 2 of 5, Interleaved & Matrix 2 of 5 German Postal Code, China Postal Code, IATA UPC/EAN/JAN, UPC/EAN/JAN with Addendum Telepen, MSI/Plessey & UK/Plessey GS1 DataBar (formly RSS) Linear & Linear Stacked
Linear-stacked (PF688BT, PL688BT)	PDF417, Micro PDF417, Codablock, Composite

## Physical Characteristics

Dimension	119.0 mm (L) x 49.0 mm (W) x 24/38 mm (D)
Weight	135g (battery included)

## Safety & Regulatory

EMC & Radio:	CE, FCC, BSMI, C-Tick, KC, NCC, VCCI, MIC
Safety *2	LED Eye Safety IEC62471, Exempt Group (PF680BT, PL680BT) Laser Eye Safety IEC60825-1, Class 1 (PL680BT)
Environmental	Compliant with RoHS directive

1. The reading range is measured under Cino's test environmental condition.
2. Don't stare into the laser beam.

## User Environment

Drop Specifications	Withstand 50 drops at 6.0ft / 1.8m to concrete Withstand 10 drops at 6.6ft / 2.0m to concrete
Environmental Sealing	IP65
Operating Temperature	-10°C to 50°C (14°F to 122°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Humidity	5% to 95% related humidity, non-condensing
Ambient Light Immunity	0 ~ 100,000 lux

## Accessories

Smart Cradle	RF Standard : Bluetooth v4.0 Battery charging : Fast charge User Interfaces : 1 blue link indicator 2-color status indicator Beeper, Paging/Reset button Host Interface : PS/2 (DOS V) Keyboard Wedge, TTL RS232 Serial, USB HID, USB COM
Charging Cradle	Battery charging : Fast charge User Interface : 1 blue power indicator Host interface : USB
Interface Cables	PS/2 (DOS V) Keyboard Wedge Cable RS232 Serial Cable USB Cable Micro USB Cable

## Available Configurations

Lite Kit	Scanner x 1, Micro USB Cable x 1, Battery Pack x 1, Strap x1
Combo Kit	Scanner x 1, Smart Cradle x 1, Battery Pack x 1 PSU x 1, PS/2 or RS232 or USB Cable x 1, Strap x1
Standard Kit	Scanner x 1, Charging Cradle x 1, Battery Pack x 1 PSU x 1, USB Cable x 1, Strap x1

\* Antibacterial models is available.

## PC WORTH INT'L CO., LTD.

18F, NO.100, HSIN-TAI-WU RD., SEC.1, HSI-CHIH,  
TAIPEI, TAIWAN, 22102, R.O.C.  
TEL: 886-2-2696-2559 FAX: 886-2-2696-2560

**cino**<sup>®</sup>



[www.L-TronDirect.com](http://www.L-TronDirect.com)

800-830-9523

[info@L-Tron.com](mailto:info@L-Tron.com)

596 Fishers Station Dr | Victor, NY | 14564 | Suite 1 A

[www.L-Tron.com](http://www.L-Tron.com)

