

FUZZYSCAN



Bluetooth Pocket Scanner PF680BT HC, PL680BT HC Linear Imager Series

The ruggedized Bluetooth pocket scanner for Healthcare and Hygiene-sensitive enterprise applications

Powered by Innovative FuzzyScan 3.0 Imaging Technology and the latest Bluetooth v 4.0 cordless technology, the rugged yet compact Cino Antimicrobial Bluetooth pocket scanner series marries impressive design and leading-edge technologies with enterprise industrial class reliability and functionality in a disinfectant-ready housing. It provides an optimum solution for mobile barcode scanning and data collection in hygiene-sensitive environments.

cino[®]

Disinfectant-Ready enclosures incorporated with antimicrobial additives

Comply with JIS Z2801: 2000 standard

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

Silver-based inorganic antimicrobial housing

Cino antimicrobial Bluetooth pocket scanner and cradle are incorporated with silver-based inorganic antimicrobial agent which will not be worn off and degraded during its lifetime. This provides an extra layer of protection to inhibit the multiplication and spread of potentially harmful microorganisms. Also, It's disinfectant ready housing can be cleaned or wiped off with commercial available cleaning solutions without harming the antimicrobial housing or the sensitive scanning components inside.

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.



Disinfectant-Ready Enclosures



Compact Form Factor



Rugged and Durable

Data validation mode is useful for valid-data checking

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

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

Out-of-range scanning and auto-reconnection features

Efficient power management supports more than 54,000 scans on a single full charge

Outstanding reading capability on 3 mil barcode

Unsurpassed reading ability on low contrast, smudged, poorly-printed or damaged barcodes

Linear imager model and laser imager model are available for choice

Charging through cradle or micro USB cable

Multi-slot cradle Solution at no extra cost

Build-in vibrator ideal for noisy and quiet working environments

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.

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

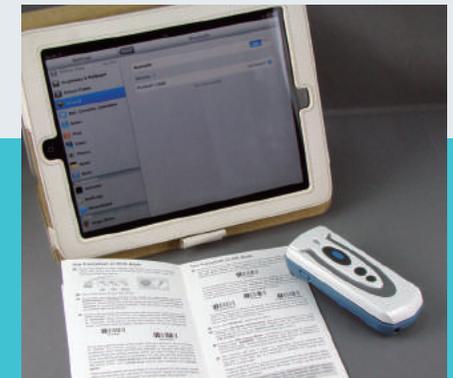
Cino Bluetooth pocket scanner provides several radio link modes to communicate with most host devices. It not only can connect to non-Bluetooth hosts via working with smart cradle in PAIR and PICO modes, but also can connect with most of mobile devices, such as smartphones, tablets and notebooks running 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.



Ergonomic Outer Shell



Bluetooth v 4.0 Technology



Several Radio Link Modes

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.

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 **four** function buttons. The user-friendly design empowers you to switch between different operation modes such as discovery mode, batch mode and data validation mode easily. More than this, these keys allow you to toggle between barcode scanning and on-screen keyboard input of mobile devices, transmit stored batch data, get battery status as well as power off the scanner without scanning the command barcode.

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.



Smart Cradle Solution



Batch Scanning



User-friendly Function Keys



FuzzyScan 3.0 Technology

Ideal Solution for Data-checking

Data validation is a useful feature which allows users to check valid-data input by registering single or multiple master data. The user-friendly function key enables you implement data validation scanning with ease. Various validation result outputs are available for choice. This feature is ideal for order picking, shipping and receiving applications.

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 **54,000** 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.

Target Applications

Cino antimicrobial Bluetooth pocket scanner can serve wide range of specific applications where hygiene and sterile environment is paramount and high-level safety is vital.

- Point –of –Care
- Pharmacy
- Material and Supply chain Management
- Cosmetic
- Food industry
- Medical laboratory

OPTIONAL ACCESSORIES



Smart Cradle
Charging Cradle



Lanyard



Battery:
1150mAh
2300mAh



Battery Cover:
1150mAh
2300mAh



Cable:
USB
PS/2
RS232
Micro USB



Data Validation



Efficient Power Management



Multi-slot Cradle Solution

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	4 function keys, one scan button 3 LEDs for power, link and status indication Programmable beeper and 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	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 HC, PL680BT HC) Laser Eye Safety IEC60825-1, Class 1 (PL680BT HC)
Environmental	Compliant with RoHS directive
Antimicrobial	JIS Z2801: 2000

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

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

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