



Bluetooth Pocket Scanner

PA670BT 2D Healthcare Pocket Scanner

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

Powered by Innovative FuzzyScan Imaging Technology 3.0 and the latest Bluetooth v 4.0 wireless technology, the rugged yet compact Cino Antimicrobial Bluetooth 2D area imaging pocket scanner series comes with ultimate portability, flexibility wireless connectivity, extraordinary reading performance and diverse functionality. It provides an optimum solution for mobile barcode scanning and data collection in hygiene-sensitive environments.

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

IP65 rating well protects against particle and liquid

Rugged construction withstands multiple drops from **2 meter (6.6 feet)** onto concrete

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

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 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

Timestamp function is available for both online mode and batch mode

Over **100,000** EAN-13 scans of memory storage for batch scanning

Out-of-range scanning and auto-reconnection features

Efficient power management supports more than **27,000** scans on a single full charge

Read most of popular 1D, stacked and 2D bar codes

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

Digital image capture capability

High-density and **standard range** models are offered to satisfy various data capture needs

DataWizard **Premium** supported for advanced data formatting and security mechanism

Charging through cradle or micro USB cable

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 perfectly 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 work with most of remote Bluetooth hosts seamlessly. Moreover, it comes with more enhancements, such as faster pairing speed, lower power consumption, higher transfer reliability, and less wireless interference.

Flexible Connectivity

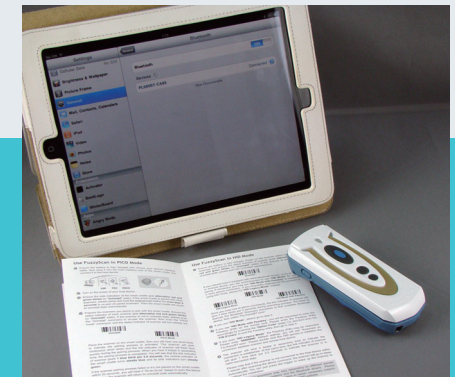
Cino Bluetooth pocket scanner provides several radio link modes to communicate with most popular host equipments and mobile devices. It not only can connect to non-Bluetooth hosts via working with smart cradle in peer-to-peer (PAIR) mode or multiple-connection (PICO) mode, but also can connect with most 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

If the Bluetooth function is not available in your host equipments, Cino Bluetooth pocket scanner can work with smart cradle in peer-to-peer mode (PAIR) or multiple-connection mode (PICO) as a **"Plug-and-Play"** cordless solution. The PICO mode allows one smart cradle to connect up to 7 scanners simultaneously, and you can enable pre-assigned ID transmission format to identify the source of transmitted data.

Cost-saving Solution for Inventory Management

Besides online scanning operation, the batch scanning function allows the scanner to store over **100,000** 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. These four function keys allow you to enter discovery mode and batch mode, switch between iOS virtual keyboard and barcode scanning, transmit batch data, get battery status as well as control beeps without scanning the barcode command.

All you can scan

Built with the advanced FuzzyScan Imaging Technology 3.0, the Cino Bluetooth pocket scanner is capable of reading most popular 1D, stacked and 2D bar codes omnidirectionally. Besides, it also supports digital image capture which is ideal for vision-related applications.



Smart Cradle Solution



Batch Scanning



User-friendly Function Keys



FuzzyScan 3.0 Technology

Superior Readability

Thanks to the exceptional scanning performance and superior adaption to read most real-world bar codes, Cino Bluetooth pocket scanner can read low contrast, damaged, smudged, distorted and poorly printed bar codes. Besides, it is capable of capturing bar codes printed on reflective materials or displayed on the screen of mobile phone.

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 **27,000** scans. It guarantees beyond one full eight-hour shift, no worry for interruption. Higher capacity battery is available if prolonged working hours is required.

Flexible Installation

Besides Smart Cradle, Charging Cradle is also available for PA670BT. The smart cradle presents an instant cordless migration and the charging cradle provides a reliable battery charging. Thanks to the special designed mounting holes, the cradle can be flexibly linked together to form a multi-slot cradle by a small hard plate. There is no additional cost for customer obtaining a **Multi-slot Cradle Solution**.

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



No Worry for Poor Barcodes



Efficient Power Management



Multi-slot Cradle Solution

SPECIFICATIONS

Performance Characteristics

Scan Pattern	Area Image
Print Contrast	20% minimum reflectance difference
Light Source	Aiming Pattern : 630nm LED Illumination : 630nm LED
Min. Resolution	SR Model 3.3 mil Code 39 7 mil DM HD Model 2.7 mil Code 39 5 mil DM
Roll, Pitch, Skew	Roll: 360°; Pitch: ± 75°; Skew: ± 65°
Reading Range*1	SR Model 5 mil (0.13mm) C39 4~15 cm (1.5"~5.9") 13 mil (0.33mm) UPC/EAN 3~38 cm (1.1"~15.0") 10 mil (0.25mm) DM 3~15.5 cm (1.1"~6.1") HD Model 3 mil (0.07mm) C39 3~8 cm (1.1"~3.1") 5 mil (0.13mm) C39 3~11 cm (1.1"~4.3") 13 mil (0.33mm) UPC/EAN 2.5~16.5 cm (0.9"~6.4") 5 mil (0.13mm) DM 3.5~9 cm (1.3"~3.5") 10 mil (0.25mm) QR 3.5~8 cm (1.3"~3.1")
Operating Modes	Trigger
Data Editing	Condensed DataWizard via bar code command Full-featured 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 Adjustable beeper Optional vibrator
Image Capture	Graphic Format : BMP

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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 Symbolologies

1D Linear Codes	Code 39, Code 39 Full ASCII, Code 32, Code 128, GS1-128, Codabar, Code 11, Code 93, Standard & Industrial 2 of 5, Interleaved & Matrix 2 of 5, IATA, UPC/EAN/JAN, UPC/EAN/JAN with Addendum, Telepen, MSI/Plessey & UK/Plessey, GS1 DataBar, Linear & Linear Stacked
2D Codes	PDF417, Micro PDF417, Codablock F, Code 16K, Code 49, Composite Codes, DataMatrix, MaxiCode, QR Code, Aztec, MicroQR
Postal Codes	Australian Post, US Planet, US Postnet, Japan Post Dutch KIX code, Intelligent Mail, British Post

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
Environmental	Compliant with RoHS directive

Electrical Characteristics

Battery Standard Optional	3.7V, 1150mAh Li-ion rechargeable battery 3.7V, 2300mAh Li-ion rechargeable battery
Battery Charge Time	Approx. 3-4 hours per full charge(Standard Battery)

User Environment

Drop Specifications	Withstand multiple 2m/6.6ft. drops 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

* Healthcare model is available.

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

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