

FUZZYSCAN



Bluetooth Pocket Scanner PA670BT

The ruggedized Bluetooth pocket scanner for enterprise mobile application

Powered by Innovative FuzzyScan Imaging Technology 3.0 and the latest Bluetooth v 4.0 wireless technology, the rugged yet compact Cino 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. It is more than hardware, it is a perfect solution which you can count on to gain the exceptional ROI and TCO.

cino[®]

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 work with remote Bluetooth 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

Timestamp is available for both online scanning and batch scanning

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

Omnidirectional scanning

Ultimate Portability

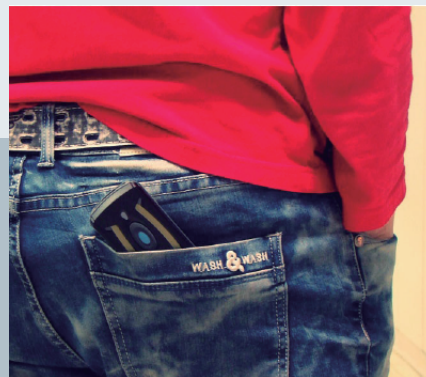
Cino Bluetooth pocket scanner series is constructed compactly which fits into your hand for single-handed operation perfectly. It can be put into your pocket or purse for easy-carrying no matter you are indoor or outside. Moreover, you can wear it around your neck or wrist with lanyard for accessing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

High Reliability for Low TCO

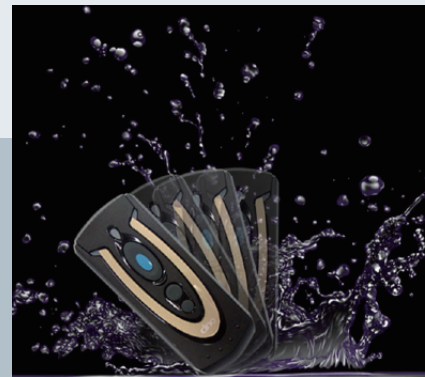
Cino Bluetooth pocket scanner is designed to meet **IP65** rating which can protect against particle and liquid ingress. The over-mold design creates a robust protective shell around the device. This enables it withstand multiple drops from **2 meter** onto concrete. It also supports wide range of operating and storage temperature range. The durable cradle contact pin is with the reliability over 1,000,000 times contact. These features make Cino Bluetooth pocket scanner survives from any kind of harsh environment.

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 ergonomics minimizes worker's fatigue, allowing extended use for scan-intensive operation.



Compact Form Factor



Rugged and Durable



Ergonomic Outer Shell

Data validation is useful for data verification

Out-of-range scanning and auto-reconnection features

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

Unsurpassed readability 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

Multi-slot cradle solution at no additional cost

Optional **Vibrator** for noisy and quiet working environment

Healthcare 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 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 multiple 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.

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.



Bluetooth v 4.0 Technology



Multiple Radio Link Modes



Smart Cradle Solution

Cost-saving Solution for Inventory Management

Besides real-time scanning operation, batch scanning allows 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 scanning 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 operations such as discovery mode, batch scanning and data validation scanning 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 on the scanner without scanning the command.

All you can scan

Built with the advanced FuzzyScan imaging technology 3.0, Cino Bluetooth pocket scanner is capable of reading most popular 1D, stacked and 2D bar codes omnidirectionally. It also delivers superior adaption to read most real-world bar codes, such as low contrast, damaged and poorly-printed bar codes. Besides, it also supports digital image capture which is ideal for vision-related applications.

Ideal Solution for Data Verification

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.



Batch Scanning



User-friendly Function Keys



FuzzyScan 3.0 Technology



Data Validation

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**.



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:
1150mAh
2300mAh



Cable:
USB
PS/2
RS232
Micro USB

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

- Part No.: YMAUG30140060R0
- Specifications are subject to change without notice.
- Cino is a registered trademark of PC Worth Int'l Co., Ltd. All other trademarks and service marks are proprietary to their respective companies.
- The products shown in this catalog may be changed without prior notice. Any reproduction, duplication or other use of the contents of this catalog, in part or in full, without the prior permission of PC Worth Int'l Co., Ltd. is strictly forbidden.
- PC Worth Int'l Co., Ltd. does not accept responsibility for problems concerning infringements of third parties' rights or damages resulting from the use of the contents of this catalog.
- Copyright 2011-2013 PC Worth Int'l Co., Ltd. - Cino Group, all rights reserved.

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 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.

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®