

# PA680BT

一款坚固的二维影像掌上型蓝牙条码扫描器  
特别适合于便携移动的企业应用



得益于技术创新的FuzzyScan3.0成像技术和最新的蓝牙V4.0无线技术，坚固的Cino PA680BT二维影像掌上型无线条码扫描器系列结合高质量的设计和领先的技术与工业级的可靠性和功能，并提供非凡的扫描性能和令人印象深刻的瞬间阅读。它为移动应用提供了条码扫描和数据采集的最佳解决方案。PA680BT不仅仅是硬件，其杰出的解决方案提供了卓越的投资回报率和总体拥有成本。

### 坚固耐用的和方便用户操作的设计

企业级的PA680BT系列融合了易于携带，坚固和高质量的工艺设计。它的结构，达到IP65防水防尘工业等级，可承受多次从1.8米高处跌落到水泥地面而毫发无损，并且可以在广泛的工作温度范围中。这有效的确保它可以在任何需要的地方使用。配备多个按键，操控方便，进一步提高工人的工作效率和生产力。

### 优秀的无线连接特性

PA680BT系列与大部分掌上型扫描器不同，它提供了Smart Cradle选配。当与Smart Cradle协同工作时，立即实现了一个即插即用的无线升级方案。当主机设备拥有蓝牙功能时，它可以使用PAIR或PICO模式通过Smart Cradle进行工作。此外，它也支持HID和SPP，可与大部份蓝牙主机设备进行实时传输，例如iOS，Android和Windows移动设备，简化了业务流程，为企业带来了意想不到的收益。

### 完备的功能及杰出的读取性能使其适用于各种不同的应用

除了实时数据采集，PA680BT可以作为一个独立的设备进行批量扫描。它能够存储超过100,000笔EAN-13条码数据，是库存应用的佳选择。PA680BT具备信号外的扫描功能，在蓝牙无线连接断开后仍然可以继续采集数据。PA680BT能够读取主流的线性条码、二维条码和邮政码，并支持全向扫描。高密度和标准距离两款机型，可满足各种数据采集的需求。

4.0  
100

Smart Cradle

PICO 7  
HID SPP,

iOS, Windows Mobile  
Android Windows

IP65  
1.8

40000

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	<b>SR Model</b> 4 mil Code 39 7 mil DM <b>HD Model</b> 3 mil Code 39 5 mil DM
Roll, Pitch, Skew	Roll: 360°; Pitch: ± 75°; Skew: ± 65°
Motion Tolerance	TBD
Reading Range *1	<b>SR Model</b> 3 mil (0.13mm) C39 7-10cm (2.7"- 3.9") 13 mil (0.33mm) UPC/EAN 4-39cm (1.6"- 15.3") 7 mil (0.18mm) QR 6.5-8.5cm (2.5"- 3.3") <b>HD Model</b> 3 mil (0.07mm) C39 4.6-9.6 cm (1.8"- 3.8") 5 mil (0.13mm) C39 4.6-12.6 cm (1.8"- 5.0") 13 mil (0.33mm) UPC/EAN 4.0-20 cm (1.6"- 7.9") 5 mil (0.13mm) DM 5.1-10.6 cm (2.0"- 4.2") 5 mil (0.25mm) QR 4.5-7.5 cm (1.8"- 2.9")
Operating Modes	Trigger
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
Image Capture	Graphic Format : BMP, JPEG, TIFF, PNG

## User Environment

Drop Specifications	Withstand multiple 1.8m/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

## Electrical Characteristics

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

## Physical Characteristics

Dimension	119.0 mm (L) x 49.0 mm (W) x 24/38 mm (D)
Weight	140g (battery included)

1. The reading range is measured under Cino's test environmental condition.

## 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

## 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

<b>Lite Kit</b>	PA680BT x 1, Micro USB Cable x 1, Battery Pack x 1, Strap x1
<b>Combo Kit</b>	PA680BT x 1, Smart Cradle x 1, Battery Pack x 1, PSU x 1, PS/2 or RS232 or USB Cable x 1, Strap x1
<b>Standard Kit</b>	PA680BT x 1, Charging Cradle x 1, Battery Pack x 1, PSU x 1, USB Cable x 1, Strap x1

\* Antibacterial models is available.