Cino®

FUZZYSCAN PF680BT
1D Cordless Imager

A wireless, pocket-size imager for mobile scanning applications

The result of Cino's progressive engineering, PF680BT combines outstanding portability with the wireless edge afforded by Bluetooth. Small in size, this imager can be easily carried for scanning work that demands mobility. When paired with the smart cradle, PF680BT provides a cordless working range of over 100 meters. Moreover, its rugged housing offers superior protection against unintentional drops.

- Pocket-size and easy to carry
- IP65 level protection against dust and water
- Integrated with the latest Bluetooth wireless technology
- Smart cradle offers radio coverage of over 100 meters
- Works with most Android, iOS and Windows mobile devices
- Batch Scanning for simple stocktaking
- Supports PDF417 and Composite Codes
- Antimicrobial model available for healthcare applications
- Withstands drops from 2m to concrete
- Optional vibrator for quiet or noisy environments
- Configuration can be done through iCode
- Advanced data formatting with DataWizard Premium
- System security development using DataWizard Premium

Wireless Convenience

Movement and Compatibility

Embedded with Bluetooth technology, the PF680BT provides cordless mobility and the freedom of movement required by many applications. It can also be easily paired with the majority of popular Bluetooth devices, including Windows, iOS and Android phones. Connection can be made under HID or SPP mode.

The Cradle Advantage

The PF680BT can be paired with Cino's smart cradle, which is Bluetooth-enabled with a coverage distance of over 100 meters. The latter can serve as an instant plug-and-play cordless solution if your host device lacks Bluetooth capabilities.
Under PICO mode, the smart cradle can support up to 7 scanners at once. This allows you to centralize the data transmission process, gathering multiple connections on a single cradle.
The smart cradle's charging pins are built to withstand over 1,000,000 contact occurrences.

Practical Features

Excellent Portability

PF680BT is small in size and can be easily carried inside a pocket or purse. Using a lanyard, it can also be worn around the neck or wrist for quick access. Cino's superior engineering allows this pocket-size imager to deliver high portability and exceptional performance, all at the same time.

Manufacturing

Warehousing

Distribution Center

Retail

"On-the-Spot" Data Transmissions

Under "Online Scanning", PF680BT sends barcode data to its host device immediately after each scan.

If "Out-of-range scanning" is also enabled, this imager will store up to 5,000 scans of EAN barcodes when it loses radio connection with the host device. Upon reconnection, the imager will automatically send out all stored data.

Efficient Stocktaking

"Batch Scanning" can be selected for inventory work. Barcode data is kept in the imager and will only be sent, as a batch, to the host device when you activate transmission.

80,000 scans of EAN barcodes can be stored in the imager under this mode. Quantity value and time-stamp may be added to data immediately following capture.

Data Verification Made Easy

"Validation Scanning" enables the imager to record master data. The latter is then compared to information that is subsequently read. Should they not be a match, the imager will issue warning beeps. This mode facilitates validation tasks in warehouses and factories, such as verifying the uniformity of items in a lot.

Power that Lasts

PF680BT incorporates an advanced power management system that maximizes the number of scans per charge. Depending on usage, a full charge may be sufficient for a whole day's work. Battery status indications are available to help you focus on the tasks at hand, and not on the next recharge.

Scan All Your Needs

Tackle Stacked Symbologies

PF680BT HC is designed to scan a vast array of 1D and stacked symbologies, whether displayed on paper, plastic or electronically. Stacked-linear barcodes that can be read by the scanner include PDF417, GS1 Databar Stacked, and composite codes.

Ready for Challenges

Empowered by the FuzzyScan imaging platform, this scanner is primed to read various challenging and problematic barcodes. For example, poor quality, distorted, dirty, damaged, and overwrapped barcodes, as well as electronic barcodes on dimly-lit displays.

One Tool for Different Jobs

PF680BT delivers superior readings on high-density barcodes, in addition to exceptional scan range on regular barcodes. Its high performance and capabilities make it a versatile scanner that is well-suited for diverse applications.

Unique DataWizard Premium

Enhanced User Experience

Sharp Aimer for Rapid Targeting

The scanner's sharp LED beam helps users aim faster and with greater accuracy. PF680BT also projects a bright red illumination that allows for rapid barcode captures, even under low ambient lighting.

Clear Audio and Visual Feedbacks

This barcode scanner contains a programmable beeper with adjustable sound volume. Its LED lights provide conspicuous, multi-color indications. Along with the optional vibrator, these sensory feedbacks work in concert to promote a greater scanning experience.

Optional Vibrator for Quiet or Noisy Environments

An optional vibrator is available, offering tactile confirmation of good reads. It is ideal for places where the scanner's beeps might be disruptive, such as a library or in hospital rooms where patients are resting. Vibrations may also be preferable in environments where beeping sounds may be drowned out by loud noises, e.g. manufacturing plant.

Durable and Ergonomic

This imager's robust construction allows it to withstand 2-meter drops to concrete. PF680BT also provides IP65 level protection against dust and water. Furthermore, its ergonomic design minimizes the worker's fatigue during repetitive tasks.

SPECIFICATIONS

Performance Characteristics

Optical System	High performance linear imaging engine
Print Contrast	20% minimum reflective difference
Light Source	630nm LED
Minimum Resolution	3 mil (Code 39, PCS 0.9)
Reading Range *1	13 mil (0.33mm) UPC/EAN up to 24"
Scan Rate	Dynamic scanning rate up to 500 scans per second
Pitch / Skew / Tilt	±65˚ / ± 65˚ / ± 55˚
Operating Modes	Trigger
Configuration Setup	Command barcodes iCode FuzzyScan PowerTool
Data Editing	DataWizard Premium
User Interfaces	4 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
Scans per full Charge	More than 54,000 scans and transmissions
Operating Voltage	5VDC ± 10%

Communication Characteristics

RF Standard	Bluetooth v4.0
RF Frequency Band	2.402 ~ 2.4830 GHz unlicensed ISM band
Radio Link Modes	PAIR, PICO, SPP, HID
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)

Physical Characteristics

Dimensions	119.0 mm (L) x 49.0 mm (W) x 24 mm (D)
Weight	135g (Battery included)
Color	Black or Ivory White

Supported Symbologies

1D Linear Codes	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 (formerly RSS) Linear & Linear Stacked
Linear-stacked	PDF417, Micro PDF417, Codablock F, Composite

User Environment

Drop Specifications	Withstands multiple drops from 2.0m (6.6ft) 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% relative humidity, non-condensing
Ambient Light Immunity	0 ~ 100,000 Lux

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

Accessories

Smart Cradle RF Standard: Battery Charging: User Interfaces: Host Interface:	 Bluetooth v4.0 Fast charge 1 blue link indicator 2-color status indicator Beeper, Paging / Reset button USB HID (USB Keyboard) USB VCOM (USB COM port emulation) Standard RS232
Charging Cradle Battery Charging: User Interface:	 Fast charge 1 blue power indicator
Interface Cables	RS232 Serial Cable USB Cable Micro USB Cable
Others	SD112 Bluetooth Smart Dongle 5VDC Power Supply Unit USB Power Cable BT3100 Battery Pack (1150mAh) BT3200 Battery Pack (2300mAh)

1. The Reading Range are measured under Cino's test environmental condition.
2. Don't stare into the LED beam.

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