

FUZZYSCAN PF680BT HC

Antimicrobial 1D Cordless Imager



Portable, wireless imager for healthcare and related industries

Where cross-contamination is a risk, the equipment used must be sturdy enough to withstand cleaning procedures. PF680BT HC possesses a disinfectant-ready housing that is ideal for hygiene-conscious establishments such as hospitals, clinics, laboratories, pharmacies and more. Small in size and Bluetooth-enabled, this imager offers exceptional portability together with the convenience of wireless scanning. In areas where beeping sounds are unsuitable or inadequate, PF680BT HC's integrated vibrator can offer tactile feedback to confirm good reads.

- Disinfectant-ready enclosure with antimicrobial additives
- Compliance with JIS Z2801 : 2000 antimicrobial standard
- 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
- Supports PDF417 and Composite Codes
- Built-in vibrator for tactile confirmations
- Configuration can be done through iCode
- Advanced data formatting with DataWizard Premium
- System security development using DataWizard Premium

Sanitation-Friendly

Inclusion of Antimicrobial Additives

PF680BT HC's housing incorporates a silver inorganic antimicrobial agent that will not wear off during its lifetime. This provides an extra layer of protection against the growth of microorganisms on its surface.

Disinfectant-Ready Enclosure

The scanner's plastic exterior is also disinfectant-ready, allowing it to be wiped-down with Cino's recommended cleaning solutions (see Specifications below) without harming the enclosure.

Ideal for Hygiene-Sensitive Environments

PF680BT HC complies with the JIS Z2801:2000 standard and serves a wide range of industries where hygiene is paramount, such as healthcare, pharmaceutical, food, and more.

Wireless Convenience

Movement and Compatibility

Embedded with Bluetooth technology, the PF680BT HC 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.



Hospital



Laboratory



Pharmacy

The Cradle Advantage

The PF680BT HC 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 HC 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.

"On-the-Spot" Data Transmissions

Under "Online Scanning", PF680BT HC 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 HC 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 Symbolologies

PF680BT HC is designed to scan a vast array of 1D and stacked symbolologies, 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.



Unique DataWizard Premium

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 HC 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.

Enhanced User Experience

Sharp Aimer for Rapid Targeting

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

Clear Audio, Visual and Tactile Feedback

This barcode scanner contains a programmable beeper with adjustable sound volume. Its LED lights provide conspicuous, multi-color indications.

A built-in vibrator offers tactile confirmation of good reads, which is ideal for instances where the scanner's beeps might disturb patients, or when the beeping may be drowned out by loud background noise.

These features work in concert to promote a greater scanning experience.

Durable and Ergonomic

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

SPECIFICATIONS

Performance Characteristics

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|---------------------|--|
| 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

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|-----------------------|---|
| 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

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|---------------------|--|
| 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

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|-------------------------|--|
| Dimensions | 119.0 mm (L) x 49.0 mm (W) x 24 mm (D) |
| Weight | 135g (Battery included) |
| Color | Healthcare White |
| Antimicrobial Additives | Silver inorganic antimicrobial agent |

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

Supported Symbolologies

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|-----------------|---|
| 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

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|------------------------------|---|
| 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 |
| Recommend cleaning solutions | Gentle dish soap water or alcohol solvent solutions |

Safety & Regulatory

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|---------------|--|
| EMC & Radio | CE, FCC, BSMI, RCM, KC, NCC, VCCI, MIC |
| Safety *2 | LED Eye Safety IEC62471, Exempt Group |
| Environmental | Compliant with RoHS directive |
| Antimicrobial | JIS Z2801 : 2000 |

Accessories

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|--|---|
| Smart Cradle RF Standard: Battery Charging: User Interfaces: | Bluetooth v4.0 Fast charge 1 blue link indicator 2-color status indicator Beeper, Paging / Reset button |
| Host Interface: | 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) |

