FUZZYSCAN PL680BT HC
Antimicrobial 1D Cordless Imager

Pocket laser imager with a disinfectant-ready housing for hygiene-conscious environments

The PL680BT HC comes with a disinfectant-ready housing that is ideal for establishments such as hospitals, clinics, laboratories, pharmacies and more. Its small size affords exceptional portability, while delivering IP65 level protection against dust and water. This laser scanner is also Bluetooth-enabled and provides users with the mobility needed to accomplish their tasks. The outstanding qualities of PL680BT HC make it an excellent choice for healthcare and other hygiene-sensitive industries.

- 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
- Works with most Android, iOS and Windows mobile devices
- Sharp laser beam for quick and precise targeting
- 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

PL680BT 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

PL680BT 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 PL680BT 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 PL680BT 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

PL680BT 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", PL680BT 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

PL680BT 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 Symbologies

PL680BT 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.

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

PL680BT 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 beam helps users aim faster and with greater accuracy. PL680BT HC also projects a bright red illumination that allows for rapid barcode captures, even under low ambient lighting. Unlike traditional laser scanners, PL680BT HC makes use of advanced imaging technology to capture barcodes.

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. PL680BT 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

Optical System	High performance linear imaging engine
Print Contrast	20% minimum reflective difference
Light Source	630nm visible red LED with laser aiming
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	Healthcare White
Antimicrobial Additives	Silver inorganic antimicrobial agent

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
Recommend cleaning solutions	Gentle dish soap water or alcohol solvent

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
Antimicrobial	JIS Z2801 : 2000

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 Laser beam.