FUZZYSCAN F780BT

1D Cordless Imager

Bluetooth linear imager that offers versatility and superior performance

Powered by FuzzyScan imaging technology and Bluetooth, F780BT delivers exceptional reading performance along with the freedom of cordless operation. This imager is designed to rapidly scan a variety of 1D barcodes and stacked symbologies. When paired with the smart cradle, F780BT offers a cordless working range of over 100 meters. A durable construction and versatile features make this scanner a choice tool for a wide range of enterprise applications.

- 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
- Reads various challenging and problematic barcodes
- Withstands drops from 2m to concrete
- Clear audio and visual feedback
- 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 F780BT 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 F780BT 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.

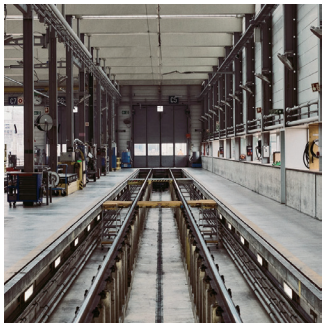
Under PICO mode, the smart cradle can support up to 7 scanners at once. This allows you to centralize the data transmission process, gathering multiple connections on a single cradle.

Practical Features

"On-the-Spot" Data Transmissions

Under "Online Scanning", F780BT 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.



Manufacturing

Warehousing

Distribution Center

Retail

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

F780BT 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

F780BT 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

F780BT 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. F780BT 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.

Unique DataWizard Premium

Built for Lasting Performance

When we designed the F780BT, durability and ergonomics were at the top of our priority list. With an over-mold construction, this imager can withstand 2.0-meter drops to concrete. Its handle allows for a natural grip, offering superior comfort throughout the day. Moreover, the imager's elegant outline is sure to complement the decors of professional establishments.

Value Beyond Measure

Simplified Configuration Process

The iCode is a configuration barcode. It can be embedded with more than one command, thereby enabling the simultaneous change of numerous parameters. Instead of configuring their Cino imagers with multiple barcodes, users can achieve the same results with a single iCode.

Simply choose your desired settings in the FuzzyScan PowerTool, and click on the "iCode" button to generate a comprehensive barcode that embodies them all.

Customized Functionalities

DataWizard Premium lets you write data or security scripts which can then be used to program Cino scanners for customized tasks. The script language is similar to BASIC and easy to learn for experienced programmers.

This exclusive feature is included in the FuzzyScan PowerTool and offered to Cino clients without extra charge.

Advanced Data Formatting

Through data scripts, your scanners can be programmed for intricate formatting duties that would otherwise be assigned to the host device. For example: parsing raw data from driver licenses, adding preambles or postambles, and more.

System Security

Set your host system to prompt scanners for a validation key before allowing connection. Develop a security script containing the validation key and install this script on approved scanners. This will prevent random scanners from accessing the host system.

SPECIFICATIONS

Performance Characteristics

Optical System	High performance linear imaging engine
Print Contrast	15% 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” 20 mil (0.5mm) Code 39 up to 34”
Scan Rate	Dynamic scanning rate up to 500 scans per second
Reading Direction	Bi-directional (forward and backward)
Pitch / Skew / Tilt	±65˚ / ± 65˚ / ± 55˚
Operating Modes	Trigger, Presentation
Configuration Setup	Command barcodes iCode FuzzyScan PowerTool
Data Editing	DataWizard Premium
User Interfaces	Blue link indicator and 2-color status indicator Programmable beeper Optional vibrator

Electrical Characteristics

Battery	3.7V, 2600mAH Li-ion rechargeable battery
Battery Charge Time	Approx. 4 ~ 5 hours per full charge
Scans per full Charge	More than 126,000 scans and transmissions
Hours of Operation	Per full charge: 120 hours
Operating Voltage	5VDC ± 10%
Operating Current	Charging: Max.680 mA Standby: Max.85 mA (Scanner with Smart Cradle)

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, in line of sight
Supported Profiles	SPP, HID

Physical Characteristics

Dimensions	97.8 mm (L) x 70.5 mm (W) x 156.2 mm (D) 3.85 in. (L) x 2.77 in. (W) x 6.15 in. (D)
Weight	230g (Battery included)
Color	Light Gray or Black

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	IP42
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
ESD Protection	Functional after 15KV discharge

Safety & Regulatory

EMC & Radio	CE, FCC, BSMI, RCM, KC, NCC, VCCI, MIC
Safety *2	LED Eye Safety IEC62471, Exempt Group
Environmental	Compliant with RoHS directive

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:	USB HID (USB Keyboard) USB VCOM (USB COM port emulation) Standard RS232
Charging Cradle	
Battery Charging:	Fast charge
User Interface:	1 blue power indicator
Interface Cables	RS232 Serial Cable USB Cable
Others	SD112 Bluetooth Smart Dongle 5VDC Power Supply Unit BT2100 Battery Pack (2600mAh) US100 SmartStand US50 Hand-free Stand Universal Holder

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