cino®

FUZZYSCAN A680BT
2D Cordless Imager

A premium cordless barcode scanning solution for retail applications

Integrated with the latest Bluetooth wireless technology and Cino's exclusive FuzzyScan imaging technology, FuzzyScan A680BT series cordless area imaging scanner sparkles with the ultimate freedom and unparalleled reading performance. The A680BT is not only perfect inside, but also reliable outside. The compact yet robust design and rich features make the A680BT best fit for retail, commercial and hospitality cordless scanning applications, improving workflow efficiency and enhancing user experience.

- Integrated with the latest Bluetooth wireless technology
- An instant solution for cordless migration
- Wireless communication coverage over 100 meters
- Connect with most Bluetooth-enabled hosts
- Work with most popular iOS and Android mobile devices
- Batch Scanning for simple stocktaking
- Various models fulfill diverse scanning needs
- Read most challenging and problematic barcodes
- Support 2D configuration barcode for easy field setup
- DataWizard Premium for complicated data formatting
- Definite audio, tactile and visual user feedbacks
- Robust construction withstands 1.8-meter drops

Exceptional Wireless Connectivity

Instant Cordless Migration

In places where Bluetooth-enabled host is not available, the A680BT works with Smart Cradle to provide an instant plug-and-play cordless migration with 100-meter communication coverage. Especially, one smart cradle can support multi-connection up to 7 scanners simultaneously, reducing your total cost of ownership.

Exceptional Flexibility

To meet today's diverse requirements of wireless connectivity; the A680BT can easily connect most popular remote Bluetooth hosts via SPP or HID service, including Windows, iOS, and Android mobile devices.

All-around Functionalities

Reliable On-line Scanning

The A680BT features a reliable on-line scanning at the point of activity. The "Out-of-range Scanning" allows up to 5,000 scans of EAN barcode even when the scanner loses radio connection. Once the scanner is back to communication coverage, the scanner will send out all stored data automatically.
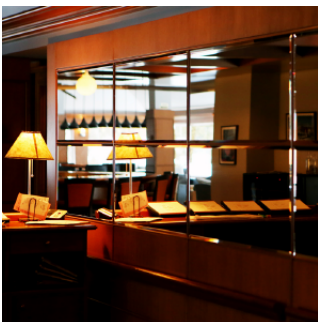
Cost Saving for Stocktaking

Besides on-line scanning, the "Batch Scanning" allows A680BT to store over 100,000 scans of EAN barcode before transmission. Moreover, the Quantity and Time-stamp features enable you to record quantity information and the time at the point of activity. Once completing the inventory check task, you can transmit

Retail

Commercial

Hospitality

entire stored data together with recorded information in one batch through wireless communication. This function is ideally useful for simple and easy inventory management without additional cost.

Useful Data Validation Function

The "Validation Scanning" function allows A680BT to store master data into memory storage for comparing with the scanned data. The validation result can be output according to the preset configuration. It is ideal for valid-data-checking applications, such as order picking, shipping and receiving.

Guaranteed Full-shift Battery Power

Thanks to the advanced power management, the A680BT delivers the largest number of scans per charge for a whole day use. A 4-level battery status indication makes it easy to see at a glance whether the battery needs to be charged before the scanner is placed into service. No more guess work on battery status during the working shift.

Scan All Your Needs

Capture Every Barcode First Time

Combined with powerful architecture, advanced optics design, and Cino's exclusive imaging technology, the A680BT is purpose built to fulfill all retail barcode scanning needs. It is capable of capturing most challenging and problematic barcodes instantly, including dense, poor quality, distorted, dirty, damaged, or overwrapped barcodes, as well as electronic barcode on a dimly lit display.

Exclusive Imaging Technology

The latest Cino FuzzyScan imaging technology adopts **Machine Learning Algorithm** along with the endeavoring breakthroughs of core innovation, refreshing barcode scanning performance and snappiness. Powered by FuzzyScan imaging technology, the A680BT delivers unrivaled reading performance among competitions.

Fulfill Diverse Requirements

The **Standard-range** model fulfills most reading needs of high-density and general barcodes with preferable scan range, well suiting a wide range of applications that normally would take different types of scanners to do so. For reading very high-density 2D barcodes on jewelry tags or tiny labels, the **High-density** model is ready for your choice.

Capture Barcodes Like a Breeze

Point-and-shoot Scanning Simplicity

With the omnidirectional scanning capability, there is no need to align with the barcode. Users of all skill levels can start right away with little to no training. This true point-and-shoot simplicity delivers maximum user comfort while increasing the scanning speed.

Clear Aiming Provides Most Intuitive Scanning

The sharp "**Round Spot**" LED aimer helps to point at barcodes more accurately and quickly. And the super bright red illumination not only enables the snappy barcode capture even in low ambient lighting conditions, but also prevents eye fatigue and improves the environmental comfort.

Rich User Feedback Improves User Experience

The A680BT is equipped with a programmable beeper which provides loud and definite beeps, giving user the positive audio feedback. The build-in multi-color indicators flash to indicate diverse status of the scanner, providing user a clear visual feedback.

In addition to the audio and visual user feedbacks, an optional Vibrator is also available for tactile confirmation of good read. It's ideal for quiet and noisy environments like hospital, library, and manufacturing plants. Especially for healthcare application, the vibration will notify the caregiver that a barcode is captured properly without disturbing patients.

Maximum Value

Easy Configuration and Management Delivers Great Usability

The FuzzyScan PowerTool is an intuitive software tool that can be easily run by first-time user for configuring and managing your scanner. More than that, you can use PowerTool to generate the desired configuration barcode for quickly setting your scanners with a single scan on the field. This maximizes user's productivity, especially for those applications requiring mixed operations.

Unique DataWizard Premium Brings More Value

Our unique DataWizard Premium is able to handle very complicated data formatting job via the script programming. By working together with your host application, the DataWizard Premium also offers a cost-free security mechanism to protect your business investment.

Compact yet Solid Design for Superior Uptime

The A680BT is built with compact and lightweight construction but without compromise with reliability. It survives 1.8-meter drop to concrete, delivering high dependability. The ergonomic design is easy for worker to hold and use for all-day intuitive scanning without fatigue.

Unique DataWizard Premium

SPECIFICATIONS

Performance Characteristics

Image Sensor	1280 x 800 Pixels
Print Contrast	18% minimum reflectance difference
Light Source	660nm LED
Minimum Resolution	**HD Model** 2.4 mil Code 39, 4.5 mil DM **SR Model** 2.7 mil Code 39, 4.8 mil DM
Reading Range	**HD Model** 13 mil (0.33mm) UPC/EAN up to 9" **SR Model** 13 mil (0.33mm) UPC/EAN up to 16"
Roll, Pitch, Skew	Roll: 360˚; Pitch: ± 75˚; Skew: ± 65˚
Configuration Setup	Barcode command Configuration barcode FuzzyScan PowerTool
Data Editing	DataWizard Premium
Image Capture	BMP

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 63,000 scans and transmissions
Operating Voltage	5 ± 10% VDC
Operating Current	Charging: Max. 750 mA Standby: Max. 175 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, line of sight
Supported Profiles	SPP, HID

Safety & Regulatory

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

Supported Symbologies

1D Linear Codes	Code 39, Code 39 Full ASCII, Code 32, Code 128, GS1-128, Codabar, Code 11, Code 93, GS1 DataBar, Standard & Industrial 2 of 5, Interleaved & Matrix 2 of 5, IATA, UPC/EAN/JAN, UPC/EAN/JAN with Addendum, Telepen, MSI/Plessey & UK/Plessey
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

User Environment

Drop Specifications	Withstand multiple drops at 1.8m (6.0ft) 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

Physical Characteristics

Dimension	97.0 mm (L) x 65.0 mm (W) x 156.0 mm (D) 3.81 in. (L) x 2.55 in. (W) x 6.14 in. (D)
Weight	188g (Battery included)
Color	Black

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

	5VDC Power Supply Unit USB Power Cable BT2100 Battery Pack (2600mAh) US100 SmartStand US50 Hand-Free Stand