

# A770BT Series

A rugged, high performance cordless Area-imaging Scanner for general purpose and light industry applications

Built with the latest Bluetooth v4.0 wireless technology

Over 100 meters communication coverage while working with smart cradle

Plug-and-play cordless migration by working with smart cradle

Support multiple connections up to 7 scanners in PICO mode

Support both HID and SPP profiles to connect with most remote Bluetooth-enabled hosts

Memory storage over 100,000 EAN-13 scans for batch scanning

Batch scanning function is ideal for inventory application

Read most popular 1D, 2D barcodes and postal codes

Omni-directional scanning

Digital image capture capability

Ruggedized over-mold design to withstand multiple drops of 1.8 meter to concrete

Optional vibrator is ideal for noisy and quiet environments

Antimicrobial model is available for Hygiene-sensitive application



Thanks to the innovative FuzzyScan 3.0 Imaging Technology and advanced Bluetooth v4.0 wireless Technology, the FuzzyScan A770BT series cordless Area-imaging Scanner delivers excellent reading performance and ultimate freedom of cordless operation. With its outstanding reading performance, superior wireless connectivity, robust enclosure and versatile features, the A770BT raises the bar on the exceptional cost-performance for various barcode scanning applications.

## **Exceptional mobility and flexibility**

Powered by Bluetooth v4.0 wireless technology, the A770BT is able to meet today's main stream of Bluetooth communication without compromise. It provides several radio link modes to communicate with most host devices. When Bluetooth-enabled host device is not available, it can work with the smart cradle in PAIR mode or PICO mode. This provides an instant plug-and-play cordless migration to your existing non-Bluetooth-enabled IT assets. Moreover, the PICO mode supports multiple connections up to 7 scanners with one smart cradle, reducing the cost of system. Furthermore, you can use A770BT with Bluetooth-enabled host devices via SPP mode or HID mode.

## **Superior reading performance**

The A770BT can read most popularly-used linear, 2D bar codes, postal codes omni-directionally. High Density and Standard Range models are designed for the needs of various barcode scanning applications. It can also perform high performance on reading poorly-printed, smudged and damaged or low quality barcodes.

## **Versatile functionality and rich features**

To fulfill diverse business applications, A770BT is feature-rich to represent its best value in its class. It can store up to 100,000 EAN-13 barcode data in batch mode. The out-of-range scanning feature allows A770BT to continue scanning data even when it loses radio connection. In hand-free application, you can enable the Auto-sense function to have A770BT switch from trigger mode to presentation mode automatically when it is placed on SmartStand or smart cradle.

# Specifications

## Performance Characteristics

Scan Pattern	Area Image
Print Contrast	20% minimum reflectance difference
Light Source	Aiming Pattern : 630nm LED Illumination : 630nm LED
Min. Resolution	<b>SR Model</b> 4 mil Code 39 7 mil DM <b>HD Model</b> 3 mil Code 39 5 mil DM
Roll, Pitch, Skew	Roll: 360°; Pitch: ± 75°; Skew: ± 65°
Motion Tolerance	Up to 25 inch/63.5 cm per second
Reading Range *1	<b>SR Model</b> 5 mil (0.13mm) C39 4~15 cm (1.5"~5.9") 13 mil (0.33mm) UPC/EAN 3~38 cm (1.1"~15.0") 10 mil (0.25mm) DM 3~15.5 cm (1.1"~6.1") <b>HD Model</b> 3 mil (0.07mm) C39 3~8 cm (1.1"~3.1") 5 mil (0.13mm) C39 3~11 cm (1.1"~4.3") 13 mil (0.33mm) UPC/EAN 2.5~16.5 cm (0.9"~6.4") 5 mil (0.13mm) DM 3.5~9 cm (1.3"~3.5") 10 mil (0.25mm) QR 3.5~8 cm (1.3"~3.1")
Operating Modes	Trigger, Presentation
Configuration Setup	Bar code command Windows utility - FuzzyScan PowerTool
Data Editing	Condensed DataWizard via bar code command Full-feature DataWizard via FuzzyScan PowerTool DataWizard Premium via FuzzyScan PowerTool
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 *2	More than 60,000 scans and transmissions
Voltage & Current (Scanner and Cradle)	Voltage 5 ± 10% VDC Current (Charging/ Non Charging) Max.680 mA / 85mA with external power

## Communication Characteristics

RF Standard	Bluetooth v4.0
RF Frequency	Band 2.402~2.4830 GHz unlicensed ISM band
Radio Link Modes	PAIR mode, PICO mode, SPP mode, HID mode
Communication Range	More than 100 meters in open space when working with smart cradle, line of sight
Supported Profiles	SPP, HID

## Supported Symbolologies

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

## User Environment

Drop Specifications	Withstand multiple 1.8m/6ft. drops to concrete
Environmental Sealing	IP41
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% related humidity, non-condensing
Ambient Light Immunity	0-100,000 lux
ESD Protection	Functional after 15KV discharge

## Safety & Regulatory

EMC & Radio:	CE,FCC,BSMI,C-Tick,KC,NCC,VCCI,MIC
Safety *3	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 : PS/2 (DOS V) Keyboard Wedge, TTL RS232 Serial, USB HID, USB COM
Charging Cradle	Battery charging : Fast charge User Interface : 1 blue power indicator
Interface Cables	PS/2 (DOS V) Keyboard Wedge Cable RS232 Serial Cable USB Cable
Others	5VDC Power Supply Unit Hand-Free SmartStand

## Physical Characteristics

Dimension	95.0 mm (L) x 70.5 mm (W) x 161.7 mm (D)
Weight	210g (battery included)

1. The reading distances are measured under Cino's test environmental condition.
2. The number of scans per full charge is measured under factory preset test condition.
3. Don't stare into the LED beam.

**cino**