# iToudai (BLE Beacon)

iToudai integrates Bluetooth 5.0 (Bluetooth Low Energy, BLE) signal transmitter (iToudai beacon) with a smart phone App in order to provide an indoor presence system.

iToudai broadcasts signals continuously, like a lighthouse. Once the smart phones enter a iToudai's transmission radius, they immediately receive an ID number from iToudai. App then triggers designated events for this ID number, such as push notification, opening a web page or start downloading a file from the Internet.

I see 2 iToudai

Here I am !

Here I am !
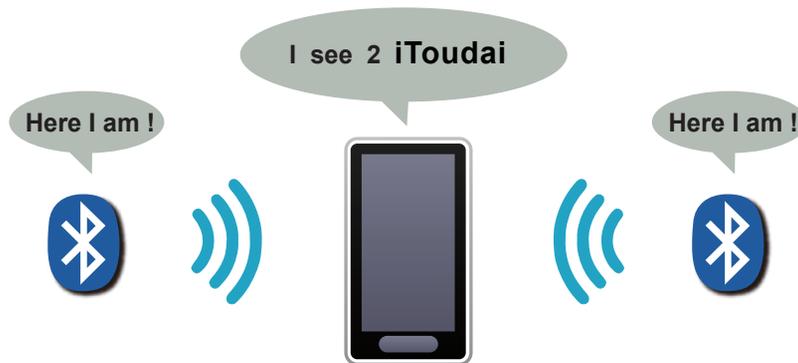
Application : Consist of locating and payment capability.

iToudai can be deployed for indoor navigation, mobile payment, shopping guide, visitor flow analysis.

● Retail :

Customers enter a store and receive instant promotional message of a product. It can also assist the store manager to realise its consumer behavior and collect flow data.

● Payment :

When a user enters or leaves a field, the user automatically initiates the payment.
For example, tickets for tourist attractions.

● Traffic :

Information passing, such as transfer guide, navigation, weather at airports, railway stations and subway.

● Home :

At home, iToudai can be used as an auto-switch for smart appliances.
In addition, iToudai can inform parents that their kids have returned home via children's mobile phone.

● Factory :

iToudai can be integrated into a plant site inspection structures and facilities, such as restricted area and equipment assembly line check point. It also helps to achieve 5S scope, inventory confirmation, quality assurance, security access control, power safety.

Benefit : Economical and Multi-purpose applications

iToudai is a low cost, high efficiency digital advertising tool for enterprises.

As long as the consumer has a smart phone with Bluetooth 4.1, they will receive the promotional news from the shop while they are shopping. Moreover, iToudai can help business further more, such as customer analysis. It allows enterprises to grasp the depth of consumer preferences and behavior, assist enterprises to carry out precision marketing, hence increase its revenue.

ID

ID

台灣日旭科技股份有限公司
CANNEX TECHNOLOGY

●BLE Tag

Protocol options	iToudai / iBeacon
Bluetooth version	BLE5.0 Low Energy
Other main functions	SOS Button (Optional)
Waterproof	No
Specifications	Size : Diameter 48/ thick 14.7 ± 0.5 (mm) Weight : 20g (with battery) WTG-0462 use CR2477 battery
Operating Temperature	0℃ ~60℃
Storage Temperature	-25℃ ~65℃
Bluetooth Sensitivity	-97dBm
Bluetooth Maximum	4dBm
Bluetooth Antenna	pcb antenna
Bluetooth Security	AES128 (Optional)
Bluetooth Frequency	2,402-2,480 MHz
Operating Supply Voltage	2V~3.6V

●Battery

Specifications	Model : CR2477 Battery power : 1000mAh Replace battery : Pull the side cover (without removing entire cover) (Insulation film is placed in all new iToudai)
Battery status monitor (Optional)	Divided into 3 levels of power display (Mobile/Background Return Mechanism)
Battery life	395days (Condition : 1000ms/0dBm)

Advantages / Features

- 30% more battery life, more durable, more power-saving! The Bluetooth signal is more stable!
- Scheduled timer for daily operating time . (Power saving)
- Encrypted signal. It's high security and privacy . (Optional)
- Shell-style cover design, It's the most convenient way to change the battery (easy and quick). Insulating film is placed in all new iToudai.

iToudai (Beacon)

Magnetic

WTG-825

Red & green LED status indicator.

Multi-functional button for On / Off / Quick connect.

Installation

Use of magnet (included) or / Hook-and-loop to put it on the wall.

iToudai Battery Checkpoint

iToudai Tool Features	WTG-825
For Android mobile	Android version 5+
Adjustable RF power	Yes (with 13 levels of strength)
Timer scheduling function	Daily operating time schedule
Transmission distance	10~60m
Password setting	Yes
Adjustable advertisment interval	Yes

iToudai Battery Checkpoint

GrpID	DevID	Battery Power	Updated	Last replaced	Location
A00111	B00222	3.15V	2016-10-19 11:16:28	2016-10-01	TaichungT3
F0000A	00000A	2.90V	2016-10-21 15:51:55	2016-08-20	Sihu AKR
F00001	000001	2.58V	2016-10-21 15:59:57	2016-08-05	Taichung SKM
000001	00000D	2.80V	2016-10-20 17:07:09	2016-08-20	TaichungT3
F00002	000009	3.02V	2016-10-20 17:05:18	2016-09-19	Sihu AKR
000000	000000	2.49V	2016-10-25 08:32:16	2016-07-13	Taipei BR4
00000F	000001	2.88V	2016-10-15 09:32:17	2016-02-23	Sihu AKR
000002	D00002	3.07V	2016-10-01 09:36:85	2016-01-25	Taipei 101

Specifications / Size	LAN-M-0462 Beacon Medium LAN Receiver	USB-0462 Beacon USB Receiver
photo		
Working power supply	POE / 9VDC	USB 5V
LED indicator	Yes	Yes
Received distance (conservative)	25m	25m
Alarm indicator	No	No
Physical dimension	Ø100/ D50(mm)	W74.3 / H30 / D12 (mm)
Weight	108g	14g
Waterproof	No	No
With alarm buzzer	No	No
Use of the occasion / use	Classroom, lecture hall, attendance system	Plug and play, cloth with flexibility

iToudai Tool configuration app

ANDROID APP ON Google play

| Enter password → Configuration |

Tool for adjusting Beacon's ID's, signal strength, signal frequency and etc.
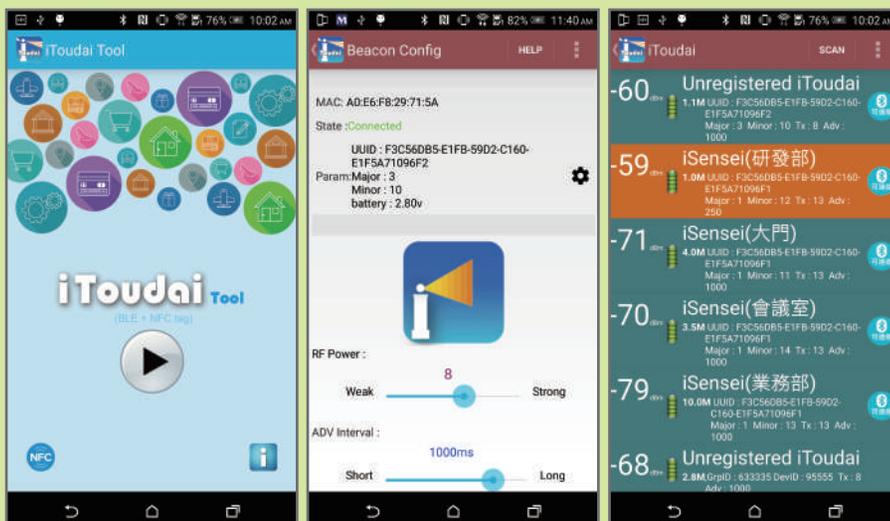
Basic functions

1) Beacon's signal strength and proximity indicator.
2) Beacon's battery status display.
3) Beacon's filter.
4) Cloud data transmission.
5) UUID, Major, Minor modification.
6) ADV interval and TX power configuration.
7) Display Beacon's battery status.
8) Scheduling time and switch.
9) Vibration wake-up time and switch.

(※ All specifications & features are subject to change without notice)