TagBeacon Datasheet

Model No.: JW1400

V1.0

Model	Description
JW1400-9001A	TagBeacon, rectangle shape, IP56, 1~2 years battery life, black, includes 1pc CR2450 coin battery, CE & RoHS & FCC-ID certification

The TagBeacon JW1400 is a low energy Bluetooth® 4.2 digital broadcasting device, it is designed for the commercial advertising, indoor location-based service, event monitor, asset tracking etc.

The TagBeacon JW1400 broadcasts standard iBeacon/Eddystone data at regular and adjustable intervals, it can be heard and interpreted by iOS and Android BLE-enabled devices that are equipped with many mobile apps. A BLE gateway can hear and communicate with TagBeacon JW1400 too.

FEATURES

- Programmed standard iBeacon/Eddystone firmware
- 1-2 years battery lifetime at default settings
- The max. 60 meters advertising distance
- Speaker volume range 90~120db
- Small size, user-friendly and portable
- Easy to print the logo on the center of top case

CERTIFICATIONS

- iBeacon MFi License
- RoHS
- CE Regulations
  (Included EN300328/301489/60950/62479)
- FCC-ID

SPECIFICATION

JW1400 TagBeacon

Compatibility

- Supported iOS 7.0+ and Android 4.3+ system;
- Compatible with Apple iBeaconTM standard;
- Compatible with all Bluetooth® 4.2 (BLE) devices;

Replaceable battery and Battery Level

- Replaceable coin battery;
- Easy to get the real-time battery level notification;

Soft Reboot

- Not supported;

OTA and J-Link

- Upgrade via Over-The-Air supported;
- Reserved J-Link port on the board for programming;

Configurable Parameters

- UUID, Major, Minor, Device Name, TX power, Transmission interval etc.
- Special Configuration APP 'Joyway Beacon';

Transmission Power Levels

- 8 adjustable levels
- Transmission power range: -30dBm to +4dBm;

Security

- No password;
- AES HW encryption

Wearable

- Key chain / Neck-string option;

Connection Mode

- Advertising mode, non-connectable;
- Configuration mode, connectable;

ACTIVATE JW1400

-Press right button for 3 seconds to turn on TagBeacon JW1400. After activated, configure mode
  last for 60 seconds, then go to iBeacon/Eddystone standard advertising using permanently
  stored parameters, which will not stop until battery die.
-Press right button for over 3 seconds to turn off TagBeacon JW1400.
-Reinstall battery to hard reboot.

CONFIGURABLE PARAMETERS

Item	Default Settings
UUID	0x59,0x1f,0xcd,0x82, 0xfd,0x55,0x46,0x0b, 0x86,0xd5,0x29,0x6b, 0x1b,0x1e,0x54,0x96
Major	2020~2022
Minor	0~65532
TX Power	0dBm
Transmission Interval	1000ms
Device Name	JOYWAY(advertise device name only in configure mode)

ELECTRONIC PARAMETERS

Item	Value	Remarks
Case Color	Black	Customize color if >= 3000pcs
Battery Model	1 x CR2450	1pc CR2450 coin battery, 3.0V
Operation Voltage	1.8~3.6V	DC
Transmission Current	13 mA peak RX, 10.5 mA peak TX (0 dBm)	
Transmission Range	60 meters	Maximum
Antenna	50 ohm	On board / PCB Antenna
Net Weight	20 g	With battery
Size	58*31.5*12.3 mm	

TECHNICAL SUPPORT

Item	Version	File Name	Update Date
Datasheet	V1.0	JW1400_TagBeacon_Datasheet_V1.0.pdf	30th May, 2022
SDK	V1.0	JoywayLib.Android.zip; JoywayLib.iOS.zip	30th May, 2022
Configuration Tools	V1.3.8	JoywayBeacon.apk	30th May, 2022

* Joyway sales team will send you these documents after the sample arrived.

PACKING INFORMATION

Details	PP Bag	Carton
Quantity(JW1400)	1 pc	100 pcs
Net Weight	20 g	2 kg
Gross Weight	23 g	2.1 kg
Size	58*31.5*12.3 mm	260x150x180 mm

DECLARATION

The contents of this datasheet are subject to change without prior notice for further improvement. Joyway team reserves the right to explain all the terms of this datasheet.

CONTACT JOYWAY

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