

TagBeacon Datasheet

Model No.: JW1409

V1.0

Model	Description
JW1409-9001A	TagBeacon, wristband, IPx5 waterproof, rechargeable, 3 months battery life, black/pink/blue/orange/green, CE & RoHS & FCC-ID certification

The TagBeacon JW1409 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 JW1409 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 JW1409 too.

FEATURES

- Programmed standard iBeacon/Eddystone firmware
- 3 months battery lifetime at default settings
- The max. 50 meters advertising distance
- Small size, user-friendly and portable
- Easy to print the logo on the center of top case
- Paste QR code label on bottom case(MAC address / Major-Minor etc.)

CERTIFICATIONS

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

SPECIFICATION

JW1409 TagBeacon

Compatibility

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

Rechargeable battery and Battery Level

- Rechargeable battery;
- Easy to get the real-time battery level notification;

Soft Reboot

- Not supported;

OTA and J-Link

- Upgrade via Over-The-Air not 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

- Need password to connect and configure;
- AES HW encryption

Wearable

- Wristband / Neck-string option;

Connection Mode

- Always connectable and configurable while advertising.

ACTIVATE JW1409

- JW1409 TagBeacon activates once battery is recharged. After activated, it is always advertising and connectable for configure.

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(Device name can be configured)

ELECTRONIC PARAMETERS

Item	Value	Remarks
Case Color	Black/Blue/Pink/Orange/Green	Customize color if >= 3000pcs
Battery Model	1 x Li-Ion Battery	
Operation Voltage	1.8~3.6V	DC
Transmission Current	10.5mA(Max.)	Test at 0dBm transmission power
Transmission Range	50 meters	Maximum
Antenna	50ohm	On board / PCB Antenna
Net Weight	21.6g	With battery
Size	260x38x10.5 mm	With wristband

TECHNICAL SUPPORT

Item	Version	File Name	Update Date
Datasheet	V1.0	JW1409_TagBeacon_Datasheet_V1.0.pdf	30 th May, 2022
Instruction	V1.0	JW1409_TagBeacon_Instruction_V1.0.pdf	30 th May, 2022
SDK	V1.0	JoywayLib.Android.zip; JoywayLib.iOS.zip	30 th May, 2022
Configuration Tools	V1.3.8	JoywayBeacon.apk	30 th May, 2022

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

PACKING INFORMATION

Details	PP Bag	Carton
Quantity(JW1409)	1 pc	200 pcs
Net Weight	21 g	4.2 kg
Gross Weight	22 g	
Size	300x50x11 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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Last Modified at 30th May, 2022

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