

Bluetooth LE Gateway Datasheet

Model No.: JW1401

V1.0

Model	Description
JW1401-9001A	Bluetooth LE Gateway, USB to Serial Port, USB powered, Upload data to Windows PC, Linux computer, Unix computer, Macbook, Black color.

The Bluetooth LE Gateway JW1401 is a Bluetooth® Low Energy gateway device, it is designed to scan nearby bluetooth beacon advertising package, can be used for asset tracking, people tracking, pet tracking, sensor data collecting, SOS button signal collecting, etc.

FEATURES

- Support customized firmware
- -91 dBm sensitivity
- 13 mA peak RX,
- 10.5 mA peak TX (0 dBm)
- Easy to print the logo



SPECIFICATION

JW1401 Bluetooth LE Gateway

Compatibility

- Compatible with all Bluetooth® 4.0 and above BLE advertising devices;

No battery and powered by USB port

- The USB port provide power and communicate channel;

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

Customized firmware for client's requirements.

Transmission Power Levels

-30, -20, -16, -12, -8, -4, 0, +4 dBm.

Security

- AES HW encryption

Install

- Plug into computer USB port.

Working Mode

- Always scan nearby ble advertising package and report to computer.

ACTIVATE JW1401

- JW1401 Bluetooth LE Gateway activates once powered via USB port.

CUSTOMIZED FIRMWARE

Item	Default Settings
Data format reported to computer	Mac(2 bytes), uuid(16 bytes), major id(2 bytes), minor id(2 bytes), battery percent(1 byte), rssi(1 byte)

ELECTRONIC PARAMETERS

Item	Value	Remarks
Case Color	Black	
Battery Model	No battery	
Operation Voltage	5V	DC
Transmission Current	10.5mA(Max.)	Test at 0dBm transmission power
Transmission Range	50 meters	Depend on beacon transmitting power
Antenna	50ohm	
Net Weight	26g	
Size	10.5x2.5x5cm	

TECHNICAL SUPPORT

Item	Version	File Name	Update Date
Datasheet	V1.0	JW1401_Bluetooth LE Gateway_Datasheet_V1.0.pdf	30 th May, 2022
Windows DEMO App	V1.0	JW1401_Bluetooth LE Gateway_WindowsDemoApp_V1.0.pdf	30 th May, 2022

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

PACKING INFORMATION

Details	PP Bag	Carton
Quantity(JW1401)	5pc	200pcs
Net Weight	130g	5.2kg
Gross Weight	132g	5.5kg
Size	14x9x3cm	430mmx210mmx270mm (3#carton)

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

Manufacturer: Shenzhen Joyway Technologies Co., Ltd.

Technical Support:

Phone: +86 755 36968923

Email: bob@joyway.cn

<http://www.joyway.cn>

Last Modified at 30th May, 2022

<END>