

USB-Serial port BLE gateway

(user manual)



Model No: JW-1401GU

1, Function

USB port ble gateway, which is also called BLE sniffer, scans nearby BLE beacon data, filter data by customized rules, parse and report data to personal computer by USB port. If need to customize rules, please send email to: bob@joyway.cn

2, How to use

(1) Remove USB cap, insert into computer USB port, install drivers for USB device.

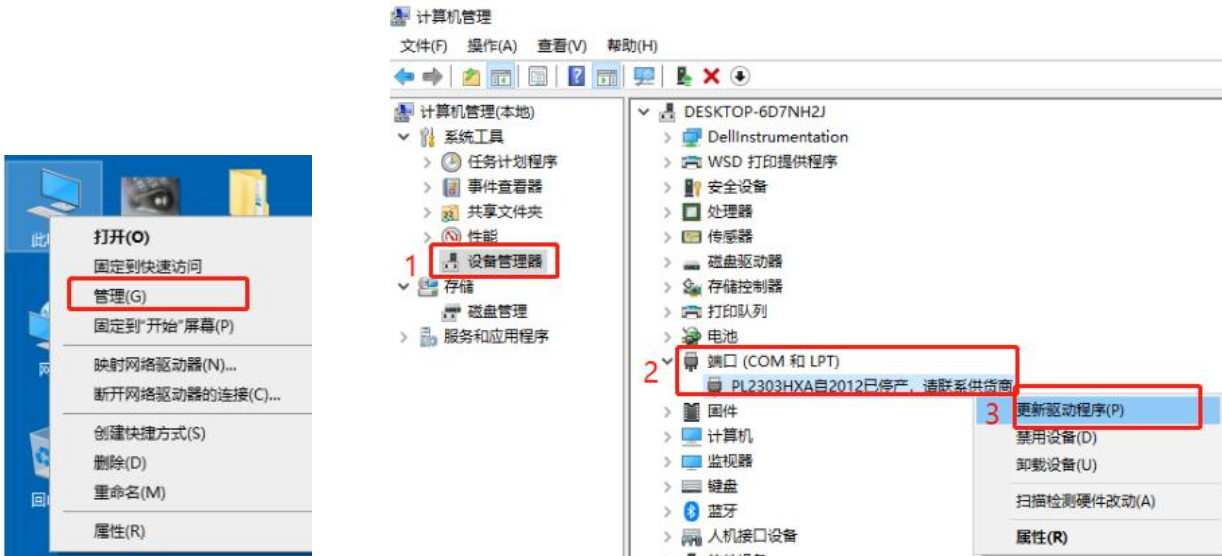
Download drivers for Windows 7~10:

http://www.joyway.cn/download/pl2303drivers/PL2303_driver_for_Win7_Win10.zip

Note: Windows 10 may upgrade its driver to the latest version automatically in background, which says current hardware is out of date or no longer in service, thus it can not work. To solve this problem, please downgrade driver by yourself.

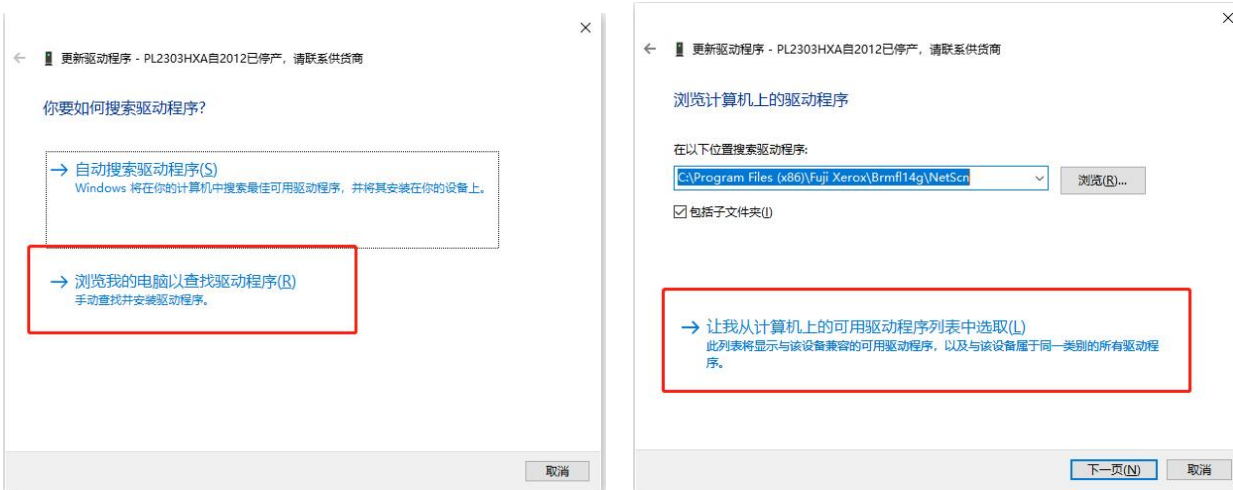
Step to downgrade:

(1) Plug in JW1401GU on your computer. Right click on 'Computer' icon in desktop, choose 'Manage' -> 'Device Manage', find 'Port(COM and LPT)', you can see PL2303HXA out of service since 2012. Right click it, choose update driver,



Choose 'Browse my computer to search drivers',

Choose 'Let me choose available drivers from driver list'



Choose the older version of driver, version 3.3.10.140 (2009/11/19), click 'Next' to install, then succeed. You can see Prolific USB-to-Serial Common Port(COM4). This COM4 may be different on your computer, such as COM1, COM2, ..., COM7, etc.

← 更新驱动程序 - PL2303HXA自2012已停产, 请联系供货商

选择要为此硬件安装的设备驱动程序



请选定硬件设备的厂商和型号, 然后单击“下一步”。如果手头有包含要安装的驱动程序的磁盘, 请单击“从磁盘安装”。

显示兼容硬件(C)

- 型号
- Prolific USB-to-Serial Comm Port 版本: 3.3.10.140 [2009/11/19]
 - Prolific USB-to-Serial Comm Port 版本: 3.8.42.0 [2023/2/22]

这个驱动程序已经过数字签名。

[告诉我为什么驱动程序签名很重要](#)

从磁盘安装(H)...

下一页(N)

取消

计算机管理

文件(F) 操作(A) 查看(V) 帮助(H)

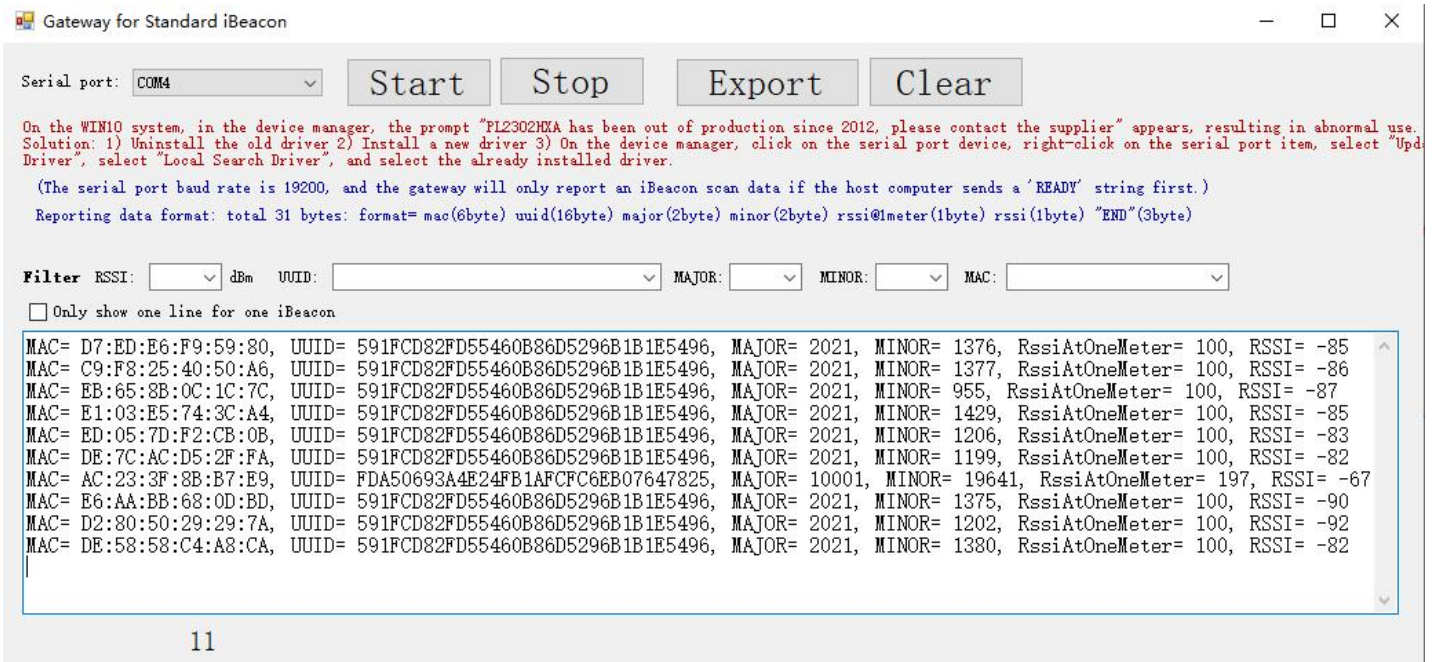
计算机管理(本地)

- 系统工具
 - 任务计划程序
 - 事件查看器
 - 共享文件夹
 - 性能
 - 设备管理器
- 存储
 - 磁盘管理
- 服务和应用程序

DESKTOP-6D7NH2J

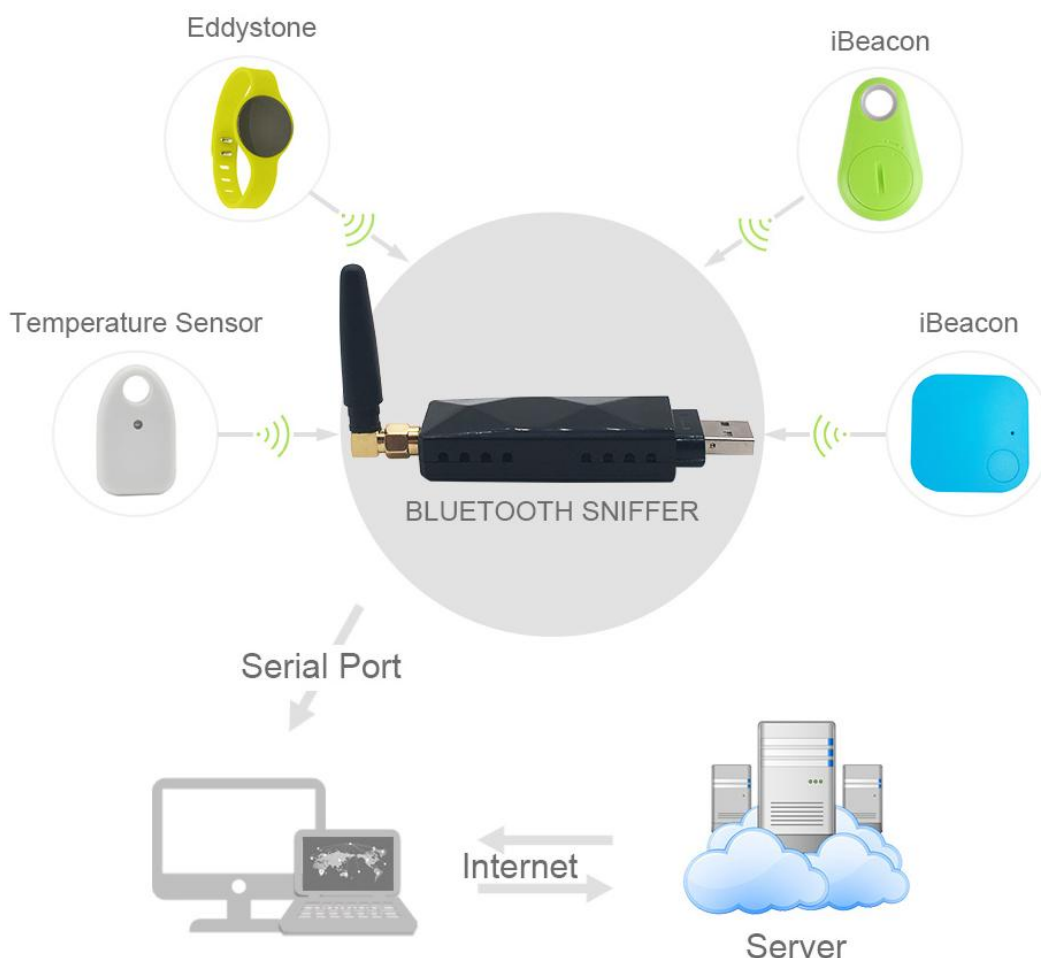
- DellInstrumentation
- WSD 打印提供程序
- 安全设备
- 处理器
- 传感器
- 磁盘驱动器
- 存储控制器
- 打印队列
- 电池
- 端口 (COM 和 LPT)
 - Prolific USB-to-Serial Comm Port (COM4)**
- 固件
- 计算机
- 监视器
- 键盘
- 蓝牙
- 人机接口设备

Then you can choose this COM port in demo application to communicate with JW1401GU.



(2) You can develop your own application on personal computer, read/write data via USB serial port.

By default, serial port baud rate is 19200. The gateway is always scanning nearby Standard iBeacon once plugged in computer, but will not report data to computer until received 'READY' from computer via serial port. Report data format is: MAC, UUID, MAJOR ID, MINOR ID, RSSI@1METER, RSSI, 'END'. To receive the next report, you must send 'READY' again.



3. Features:

1. Scan all BLE data, customized filter.
2. Power by USB port, no battery is needed.
3. Portable, small like a USB disk.
4. Multi system platform: Windows, Linux.
5. Receiver sensitivity: -91dbm.
6. Fast develop, easy integrated. It is easy work to develop a application on windows with .net framework, or add to ready management system.

4. Product parameters

Size: 105*25*50mm

Net weight: 25g

Gross weight: 30g

5. Applications

* Retail

- (1) display related ADs on screen when client pick up a goods in store.
- (2) Count which goods is more popular.

* Company

- (1) Monitor employee attendance
- (2) Person / asset tracking

* Nursing home

- (1) Person tracking
- (2) Old man body monitor

* Warehouse

- (1) Asset tracking
- (2) Environment condition monitor

* School

- (1) Student attendance

(2) Person tracking

(3) Let beacon work as voting machine