OMRON

环境传感器(USB 型)(2JCIE-BU01)

驱动程序安装说明书

Table of Contents

1. Introduction	3
2. Installing 2JCIE Device Driver for Windows	3
2.1. Installing 2JCIE Device Driver	3
2.2. Procedure for installing 2JCIE Driver	3
3. Installing 2JCIE Device Driver for Linux	10
3.1. Custom ID	10
3.2. Procedure for installing	10
4. Revision history	11

本说明书将对环境传感器(USB 型)(2JCIE-BU01)的 USB 驱动程序的安装步骤进行说明。

2. Installing 2JCIE Device Driver for Windows

2.1. Installing 2JCIE Device Driver

将 CDM v2.12.28 2JCIE.zip 解压缩到任意文件夹。

2.2. Procedure for installing 2JCIE Driver

将环境传感器(USB型)连接到 PC 的 USB 端口上。

(1) 在设备管理器中确认 COM 端口的属性,确认驱动程序是否正常安装完成。

	Ľ	\$\$	Filters \checkmark
Best n	natch		
	Device Control	Manager panel	
Рd	levice m	anager	

Figure 1 启动设备管理器

Rev.1.0

(2) 若驱动程序已正常安装,"Ports (COM & LPT)"下会显示"2JCIE-BU01 Serial Port"。 这表示安装已完成。



Figure 2 驱动程序正常安装状态

若驱动程序未正常安装,"Other devices"下会显示"2JCIE-BU01"。 这种情况下,请进行步骤(3)以后的操作。



Figure 3 驱动程序未完成安装状态

(3) 右键点击"2JCIE-BU01",选择"Update driver"。



Figure 4 更新驱动程序

请选择"Browse my computer for driver software."。



Figure 5 选择驱动程序更新方法



Figure 6 选择驱动程序

显示「Windows has successfully your drivers」。

"Universal serial bus controllers"中识别为"OMRON Environment Sensor 2JCIE-BU01"。

	×
←	
Windows has successfully updated your drivers	
Windows has finished installing the drivers for this device:	
OMRON Environment Sensor 2JCIE-BU01	
Close	

Figure 7 驱动程序正常更新

Rev.1.0

(4) 由于"Other devices"中显示"USB Serial Port",因此请点击鼠标右键,选择"Update driver"。



Figure 8 更新驱动程序

请选择"Browse my computer for driver software"。

	×
 Update Drivers - USB Serial Port 	
How do you want to search for drivers?	
→ Search automatically for updated driver software Windows will search your computer and the Internet for the latest driver software for your device, unless you've disabled this feature in your device installation settings.	
→ Browse my computer for driver software Locate and install driver software manually.	
	Cancel

Figure 9 选择驱动程序更新方法

2.1. 在 Installing 2JCIE Device Driver 中选择解压缩后的"CDM v2.12.28 2JCIE"文件夹。



Figure 10 选择驱动程序

显示「Windows has successfully updated your drivers」。



Figure 11 驱动程序正常更新

(5) "Ports (COM & LPT)"中显示"2JCIE-BU01" Serial Port"。这表示安装已完成。

🗄 Device Manager — 🗆			
File Action View Help			
(⇔ ⇔ ☶ 🛛 ☶ 🖳 💺 🗙 📀			
 Firmware Human Interface Devices IDE ATA/ATAPI controllers Jungo Connectivity Keyboards Memory technology devices Mice and other pointing devices Monitors Network adapters Ports (COM & LPT) 21CIE-BU01 Serial Port (COM98) Print queues Processors Software devices Sound, video and game controllers System devices System devices Generic USB Hub Intel(R) USB 3.0 eXtensible Host Controller - 1.0 (Microsoft) Mobile 5th Generation Intel(R) Core(TM) USB EHCI Controller - 9C OMRON Environment Sensor 2JCIE-BU01 USB Root Hub USB Root Hub (USB 3.0) 	A6		~

Figure 12 驱动程序正常安装

3. Installing 2JCIE Device Driver for Linux

3.1. Custom ID

环境传感器(USB 型)的 Vendor ID、Device ID 如下所示。

Table 1 List of ID

市口		
	HEX 值	
Vendor ID (VID)	0x0590	
Device ID (DID)	0x00D4	

3.2. Procedure for installing

- (1) 加载 OS 附带的驱动程序。
 - 1 modprobe ftdi_sio
- (2) 将环境传感器(USB 型)连接到 PC 的 USB 端口上。
- (3) 下述文件中新增 Vendor ID、Device ID。/sys/bus/usb-serial/drivers/ftdi_sio/new_id

1 0590 00d4

(4) 利用以下指令进行确认。

1 Is -al /dev/ttyUSB*

(5) 识别到 ttyUSB*即完成。

1 crw-rw---- 1 root dialout 188, 0 Jun 27 12:00 /dev/ttyUSB0

(6) 重启 OS 会导致设定无效,因此如果在启动 OS 时进行设定,请在启动后执行以下(例)脚本。

(例)样本脚本

1	#!/bin/sh −e
2	#
3	# sample script call from rc.local or etc
4	#
5	
6	modprobe ftdi_sio
7	echo 0590 00d4 > /sys/bus/usb-serial/drivers/ftdi_sio/new_id
8	

4. Revision history

#	Revision	Date	Change
1	1.0	29 th Jun. 2018	Released