# Handson Technology

## PL2303HX USB-UART Converter Cable

This PL2303HX cables are a family of USB to TTL serial UART converter cables incorporating Prolific's PL2303HX USB to Serial UART interface IC device which handles all the USB signaling and protocols. Inside the big USB plug is a USB-Serial conversion chip and at the end of the 36" cable are four wire - red power, black ground, white RX into USB port, and green TX out of the USB port. The power pin provides the 5V@500mA direct from the USB port and the RX/TX pins are 3.3V level for interfacing with the most common 3.3V logic level chipsets. Thanks to its separated pins, this cable is a perfect candidate for powering, connecting, and accessing the login and debug console on the Raspberry Pi, ESP8266 WiFi module or other development board with serial Tx and Rx data I/O.

**SKU: ASS-1015**

**Brief Data:**

- Standard USB type A male and TTL 4 pin connector.
- Fully Compliant with USB Specification v2.0 (Full-Speed)
- Prolific based USB to TTL Serial Cable are designed using the standard PL2303HX chipset.
- The cables provide a fast, simple way to connect devices with a TTL level serial interface to USB.
- Cable Length: 1-meter.
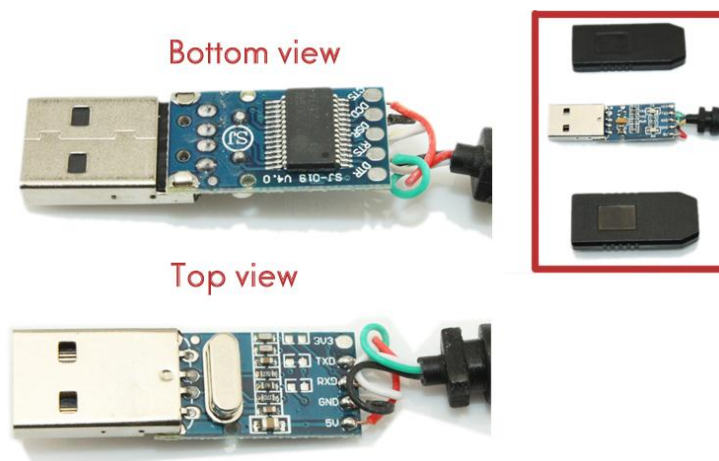- Works with Win7, Win8&10 ( need manual driver installation)
- TTL levels is 3.3V.

*Note: Please be aware that while the I/O pins in this cable operate at 3.3V, the VCC pin is 5V. The VCC pin is NOT 3.3V like the I/O pins.*

# Cable Signal Assignment:



1. Black: USB Power GND
2. Red: USB power +5V
3. Green: TXD
4. White: RXD

# Internal Construction:



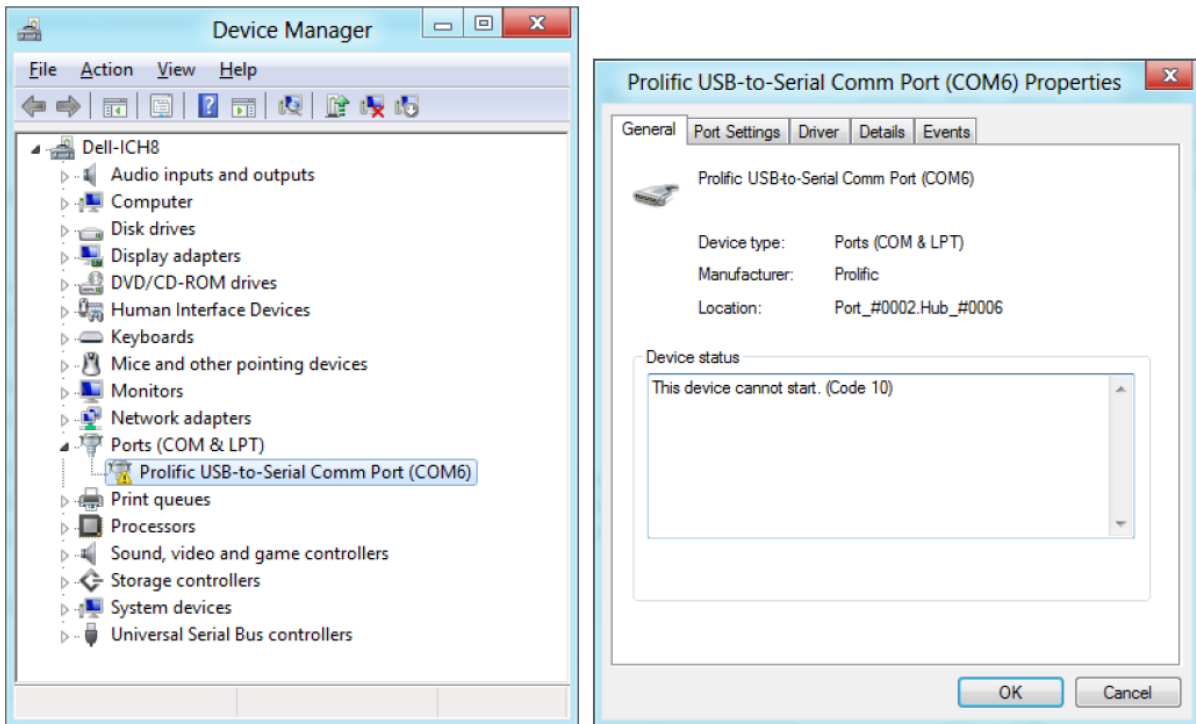# Driver Download:

- For Window > PL2303 Windows Driver Download

# Driver Installation for Win8 & 10

If you encountered "Yellow Exclamation Mark Error Code 10" under Win8 & 10, follow the step below to reinstall the driver.
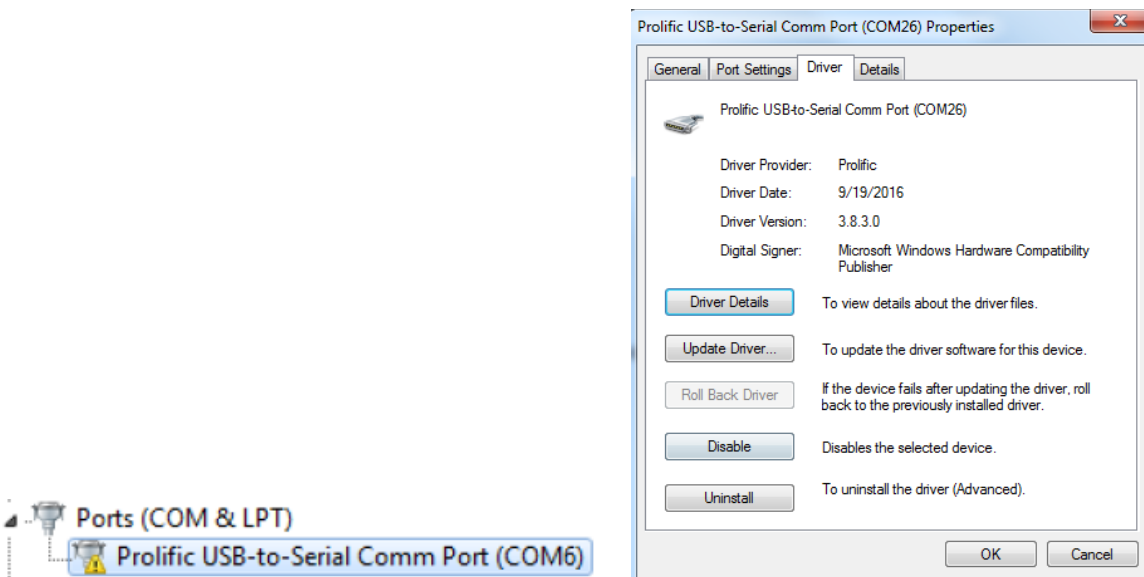


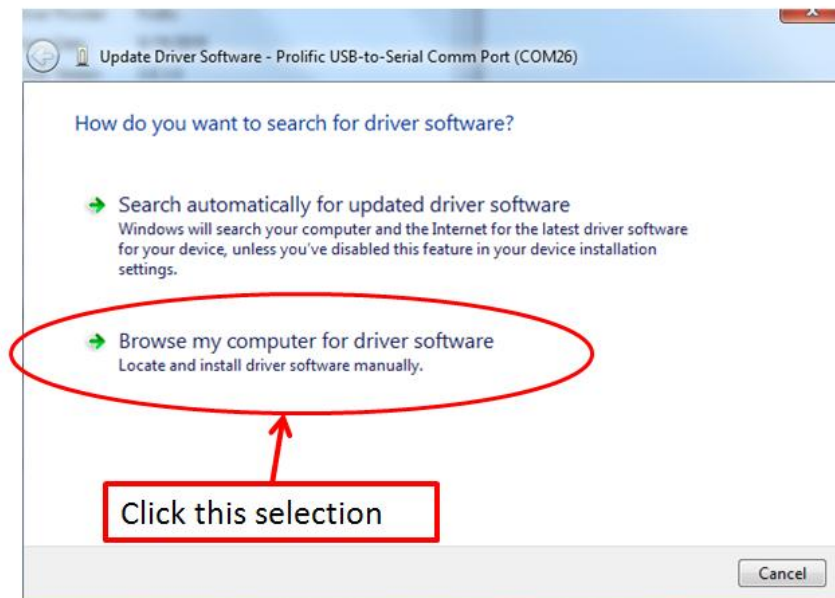1. Down load the driver from the below link:

PL2303 Windows Driver Download

2. Extract this compressed driver file into your local folder and run the installation file "PL2303_Prolific_GPS_1013_20090319.exe".



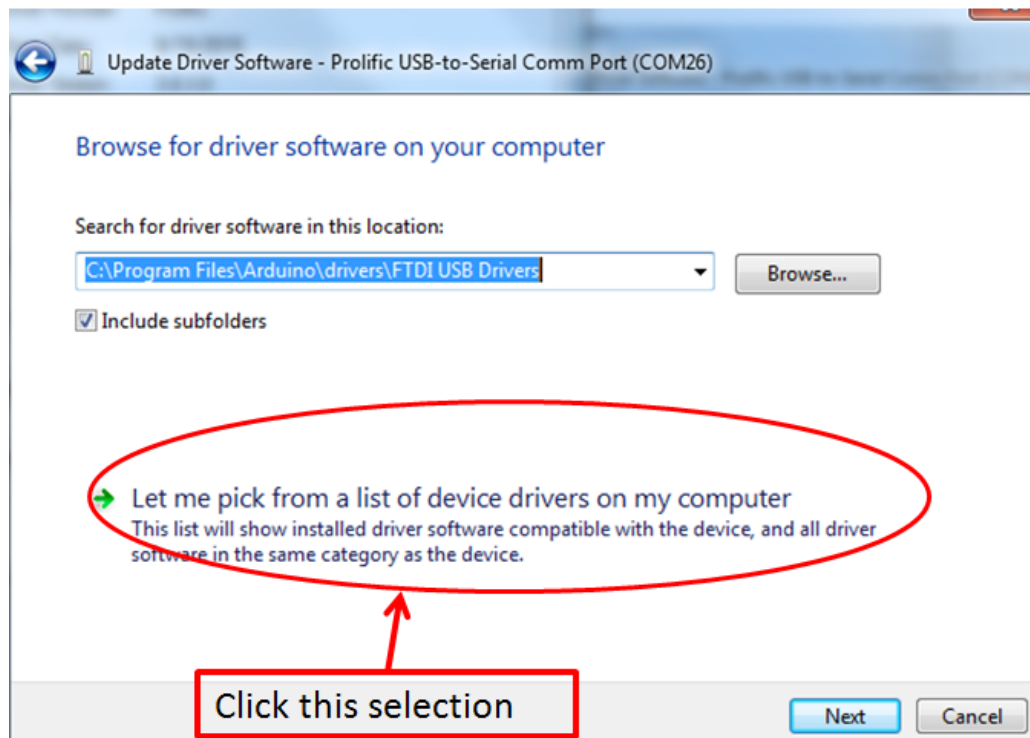| | | | |
|---|---|---|---|
| PL2303_Prolific_GPS_1013_20090319.exe | 3/19/2009 2:16 PM | Application | 2,987 KB |

3. Go back to Windows "Device Manager" and double click the "Prolific USB-to-Serial Comm Port (COM6) to open the "Properties" windows.
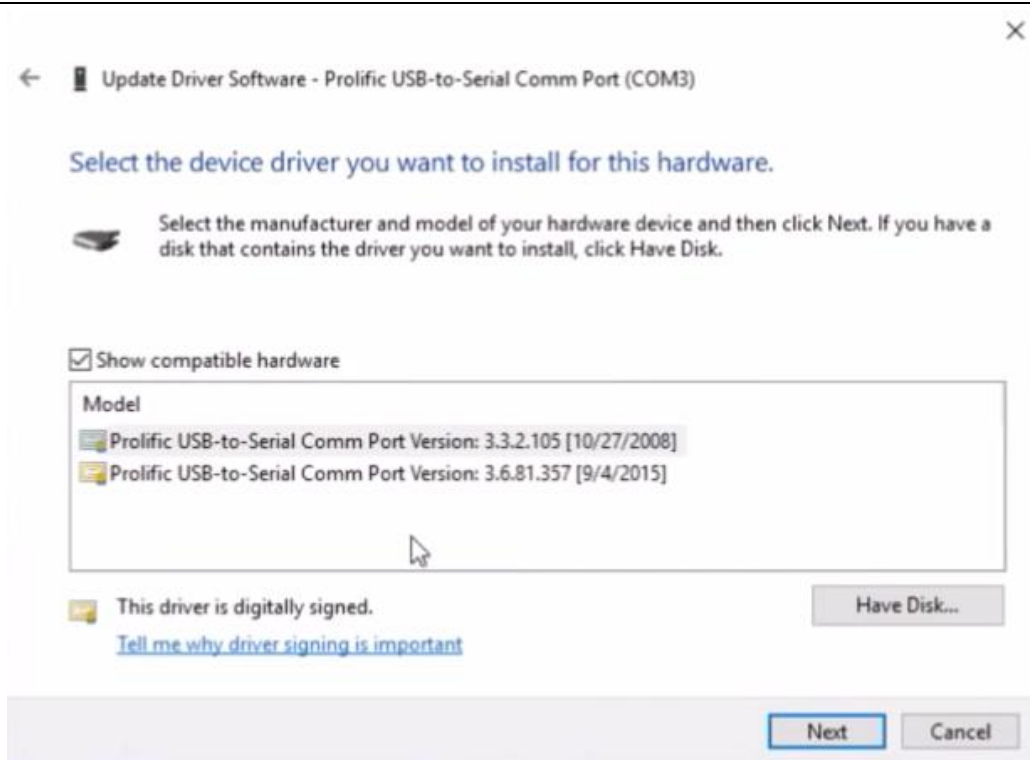
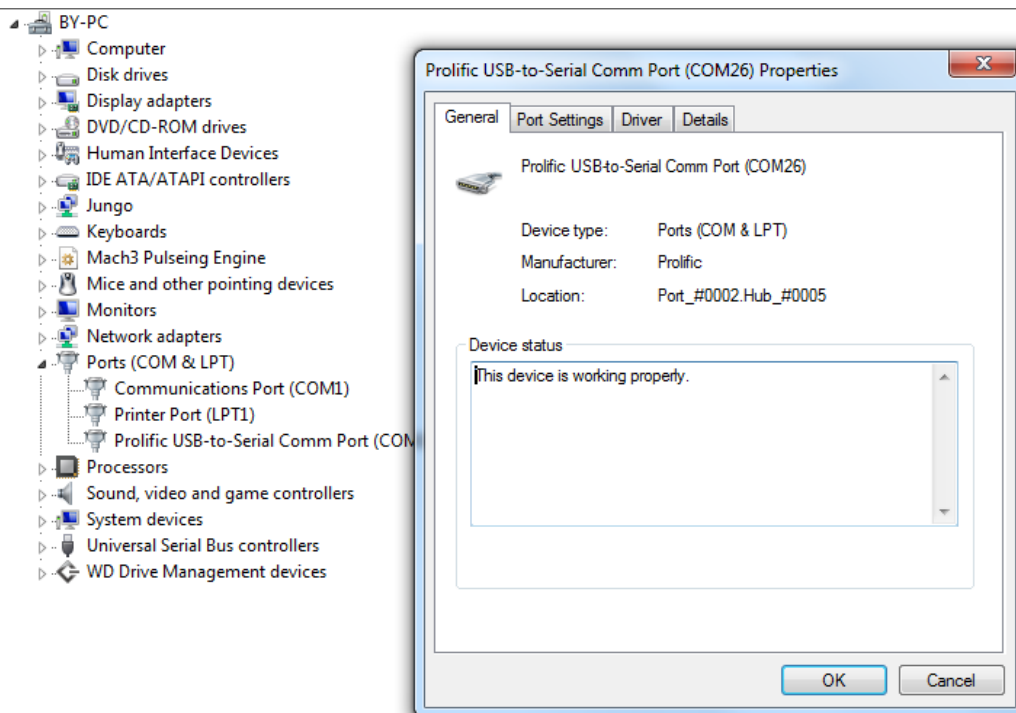4. Under the "Driver" tab, click the "Update Driver" button to bring up the next screen:



5. Click "Let me pick from a list of device drivers on my computer" :



6. Select "Prolific USB-to-Serial Comm Port Version 3.3.2.105…" and click next.

7. After the update completed, go back to "Device Manager", you should observed the "Yellow Exclamation Mark" is gone and "Properties" window shown "This device is working properly".

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