PL2303 USB-to-Serial Bridge Chip Family
Windows Driver Installer User Manual

WHQL Driver Version Information

- Driver Installer & Build date: 1.21.0 (2018-12-18)
  - GUID: ECC3713C-08A4-40E3-95F1-7D0704F1CE5E
- WHQL WDM Driver: v3.8.28.3 (12/12/2018)
  - Windows 2000, XP, Server 2003, POSReady2009 (32 & 64-bit)
- WHQL WDF Driver: v3.8.28.0 (10/1/2018)
  - Windows 10 TH1/TH2/RS1/RS2/RS3/RS4/RS5 (32 & 64-bit)
  - Windows Vista, 7, 8.1 (32 & 64-bit)
  - Compatible with Windows Server 2008/2008R2, Server 2012/2012R2, Server 2016 (64-bit)
  - Drivers automatically install via Windows Update (need Internet connection)

System Requirements

- PC with USB 1.1/2.0/3.0/3.1 Host Controller (USB Port) and Windows OS.
- USB Device with below PL-2303 chip versions and their supported OS Family:

Chip Version	Windows 2000 / XP Server 2003 (32 & 64 bit)	Windows Vista / 7 Server2008/R2 (32 & 64 bit)	Windows 8 / 8.1 Server2012/R2 (32 & 64 bit)	Windows 10 Server 2016 (32 & 64 bit)
PL-2303H	Yes	Yes	Not Supported*	Not Supported*
PL-2303HX (Rev A)	Yes	Yes	Not Supported*	Not Supported*
PL-2303X or XA	Yes	Yes	Not Supported*	Not Supported*
PL-2303HX (Rev D) or HXD	Yes	Yes	Yes	Yes
PL2303TA	Yes	Yes	Yes	Yes
PL2303TB	Yes	Yes	Yes	Yes
PL2303EA	Yes	Yes	Yes	Yes
PL2303RA	Yes	Yes	Yes	Yes
PL2303SA	Yes	Yes	Yes	Yes

* - PL2303H, PL-2303HX (Rev A), and PL-2303X are EOL and discontinued chips and Prolific will not provide Windows 8 (and above versions) driver support. New driver versions will show yellow mark (**Error Code 10**) in Device Manager for these EOL chip versions under Windows 8 or above OS versions.

All information herein is subject to change without prior notice. Prolific Technology Inc. does not make any warranties regarding the accuracy and completeness of this document and shall in no event be liable for any loss of profit or any other commercial damage, including but not limited to special, incidental, consequential, or other damages. No part of this document may be reproduced or transmitted in any form by any means without the express written permission of the manufacturer.

Microsoft Hardware Certification Report

Prolific driver has been tested and submitted for Microsoft Windows hardware certification.

Microsoft

Hardware certification report **Approved**

Private product ID:	**14448325560692218**
Shared product ID:	**1152921504607607469**
Submission ID:	**1152921504627868111**
Submission date:	**11/29/2018**
Completion date:	**11/29/2018**
Company:	**Prolific Technology Inc.**
Product name:	**PL2303 USB to Serial Windows DLL Driver v3.8.28.0**
Category:	**Device**
Product type:	**Other Device**
Qualification level:	**Certified for Microsoft Windows 10 Client family version 1809, x64** **Certified for Microsoft Windows 10 Client family version 1809, x86** **Certified for Microsoft Windows 8.1 Client family, x64** **Certified for Microsoft Windows 8.1 Client family, x86** **Certified for Microsoft Windows 10 Client family version 1803, x64** **Certified for Microsoft Windows 10 Client family version 1803, x86** **Logo - Device - Compatible with Windows 7 x64** **Logo - Device - Compatible with Windows 7** **Signature Only - Microsoft Windows Vista family, x86** **Signature Only - Microsoft Windows Vista family, x64** **Certified as Declarative INF**
Marketing name:	**PL2303 USB to Serial Bridge Controller**

Microsoft Certified

All information herein is subject to change without prior notice. Prolific Technology Inc. does not make any warranties regarding the accuracy and completeness of this document and shall in no event be liable for any loss of profit or any other commercial damage, including but not limited to special, incidental, consequential, or other damages. No part of this document may be reproduced or transmitted in any form by any means without the express written permission of the manufacturer.

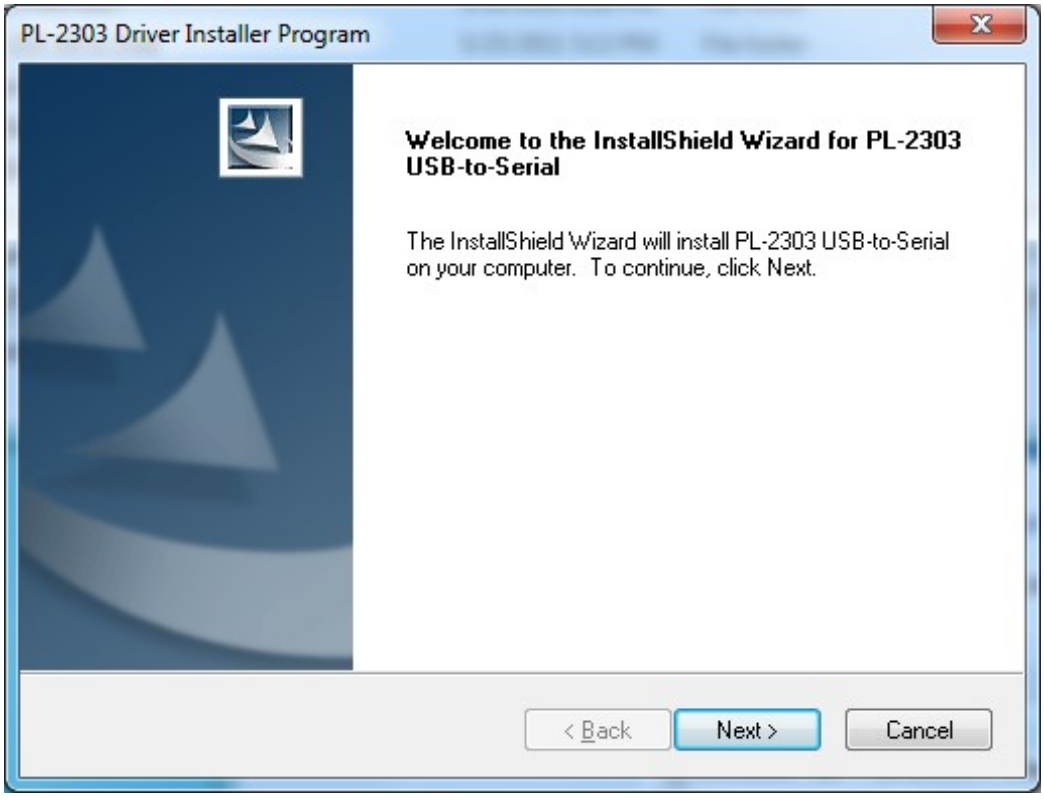
Windows Driver Installation

This section will guide you on how to install the PL-2303 Windows Driver. You can download the latest Driver Installer program from Prolific Support website:
http://www.prolific.com.tw/US/ShowProduct.aspx?p_id=225&pcid=41

The following steps will show how to install the device under **Windows 7 (64-bit)** OS as this is the most inquired driver installation support received by Prolific. The procedures are the same and straight-forward for all other supported Windows operating system versions.

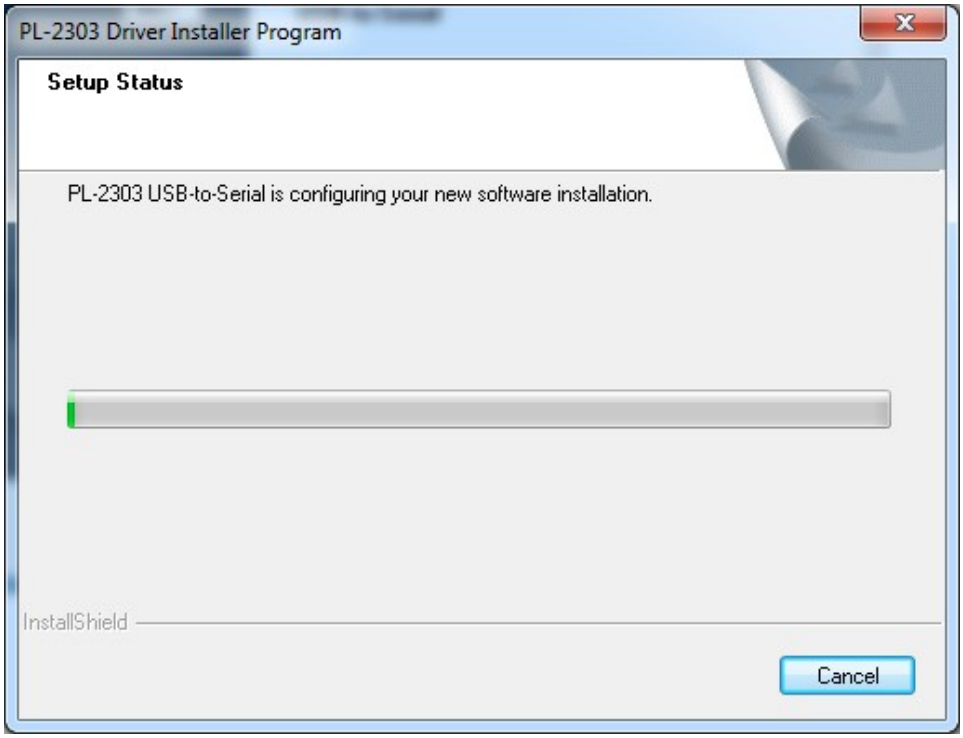
1. Power on your computer and boot to Windows. Run or double-click the PL-2303 Windows Driver Installer program.

2. The InstallShield Wizard will be displayed to inform you that the PL-2303 USB-to-Serial driver will be installed on your computer. Click Next to continue.

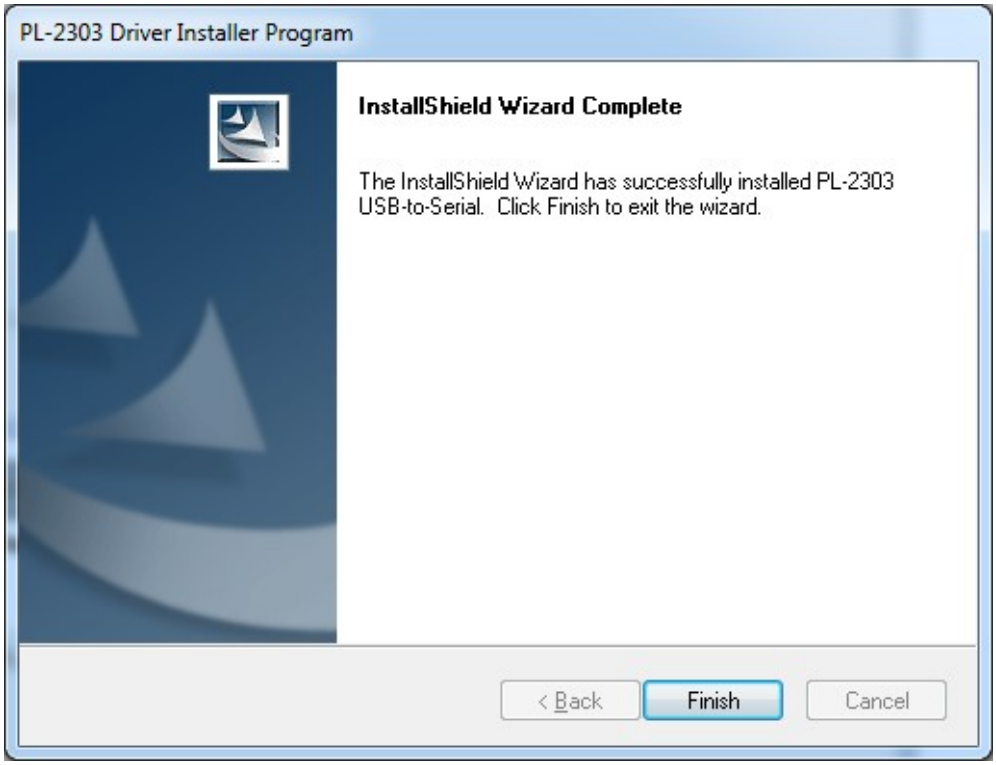


All information herein is subject to change without prior notice. Prolific Technology Inc. does not make any warranties regarding the accuracy and completeness of this document and shall in no event be liable for any loss of profit or any other commercial damage, including but not limited to special, incidental, consequential, or other damages. No part of this document may be reproduced or transmitted in any form by any means without the express written permission of the manufacturer.

3. The PL-2303 Driver Installer program will then start to install the drivers needed.

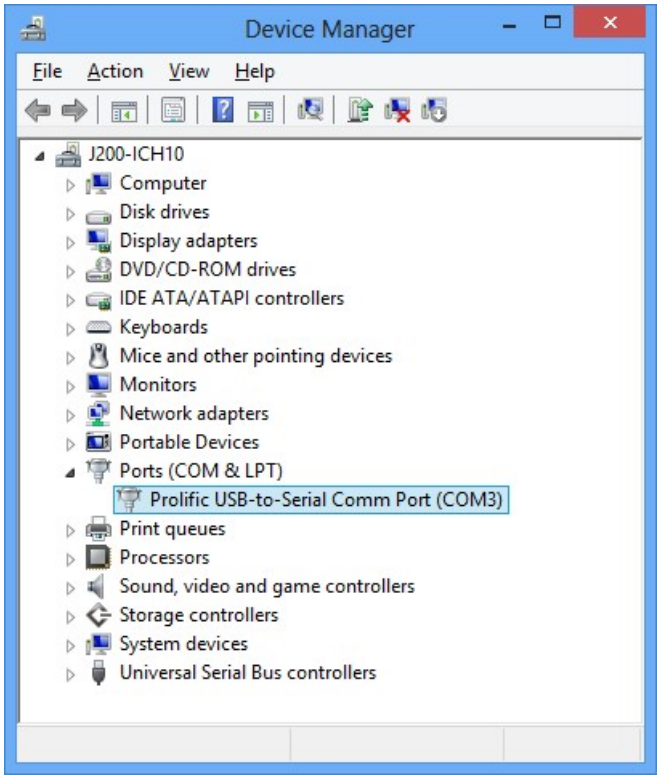


4. Click the Finish button to close the InstallShield program. If you have plugged the cable into the PC while running the setup installation, please unplug and replug the cable for the system to detect the device.

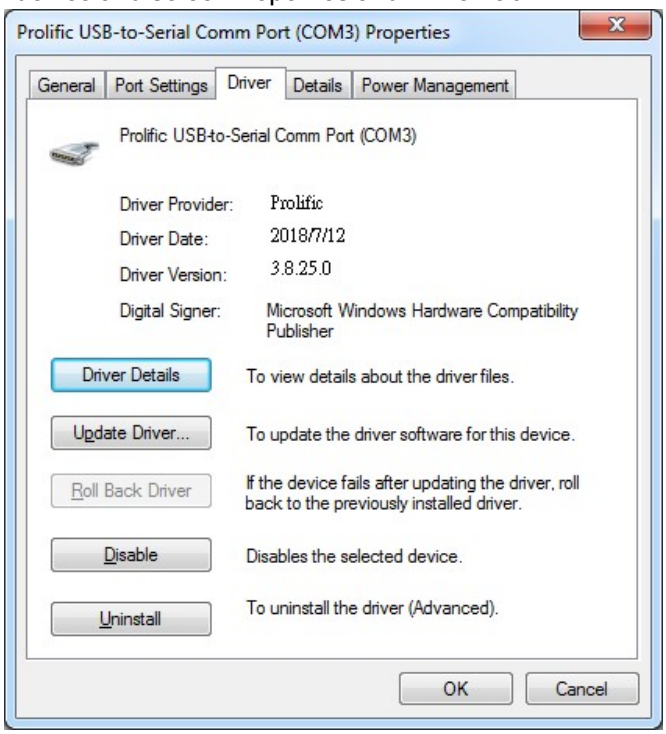


All information herein is subject to change without prior notice. Prolific Technology Inc. does not make any warranties regarding the accuracy and completeness of this document and shall in no event be liable for any loss of profit or any other commercial damage, including but not limited to special, incidental, consequential, or other damages. No part of this document may be reproduced or transmitted in any form by any means without the express written permission of the manufacturer.

5. Plug in the USB to Serial adapter to the PC USB port. Windows should detect the driver as Prolific USB-to-Serial Comm Port. Go to Device Manager and check for the "Prolific USB-to-Serial Comm Port" device and the COM port number assigned by Windows.



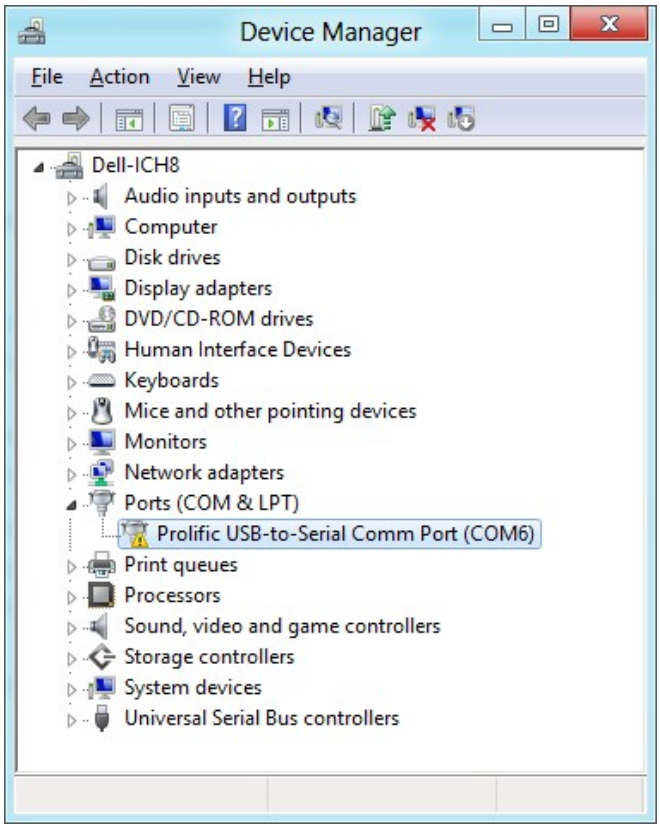
6. You can also check the driver version by right-clicking on the "Prolific USB-to-Serial Comm Port" device and select Properties and Driver tab.

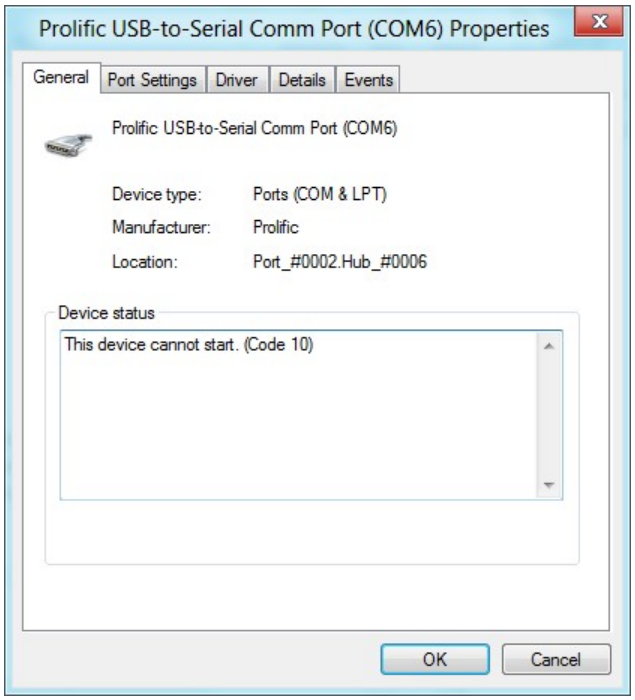


All information herein is subject to change without prior notice. Prolific Technology Inc. does not make any warranties regarding the accuracy and completeness of this document and shall in no event be liable for any loss of profit or any other commercial damage, including but not limited to special, incidental, consequential, or other damages. No part of this document may be reproduced or transmitted in any form by any means without the express written permission of the manufacturer.

Warning!!!

If you are encountering yellow mark (Error Code 10) for device in Device Manager under Windows XP, Vista, or Windows 7, you need to contact the cable vendor or manufacturer for possible counterfeit chip. Prolific does not manufacture or sell any end-user market products and will not provide or be responsible for direct support to end-users.





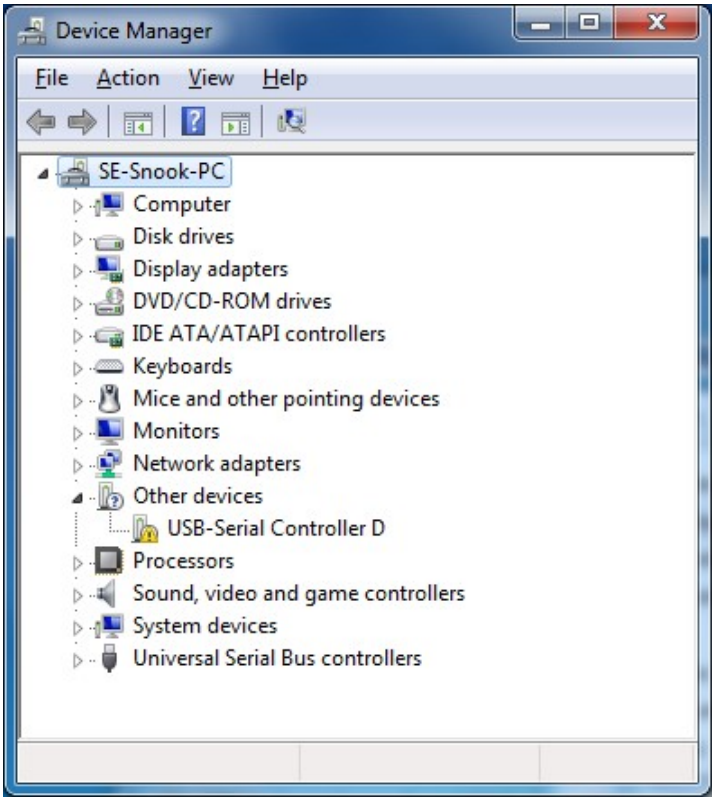
All information herein is subject to change without prior notice. Prolific Technology Inc. does not make any warranties regarding the accuracy and completeness of this document and shall in no event be liable for any loss of profit or any other commercial damage, including but not limited to special, incidental, consequential, or other damages. No part of this document may be reproduced or transmitted in any form by any means without the express written permission of the manufacturer.

Windows Driver Installation (via Windows Update)

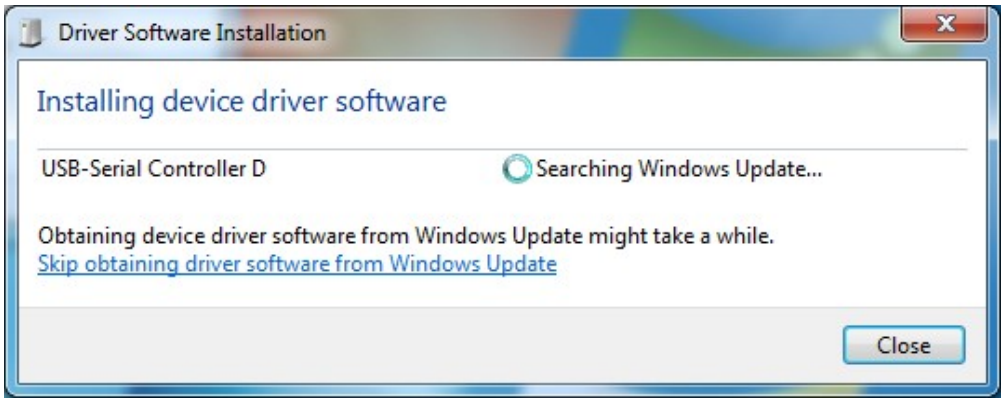
This section guides you on how to install the PL-2303 Windows Driver via Windows Update. You will need an Internet connection to automatically download and install the drivers via Windows Update:

Operating Systems	Windows 7 (32 & 64 bit)	Windows 8 / 8.1 (32 & 64 bit)	Windows 10 (32 & 64 bit)
Windows Update	☑	☑	☑

1. Check if your Internet connection is OK. Plug in PL-2303 USB to Serial cable.

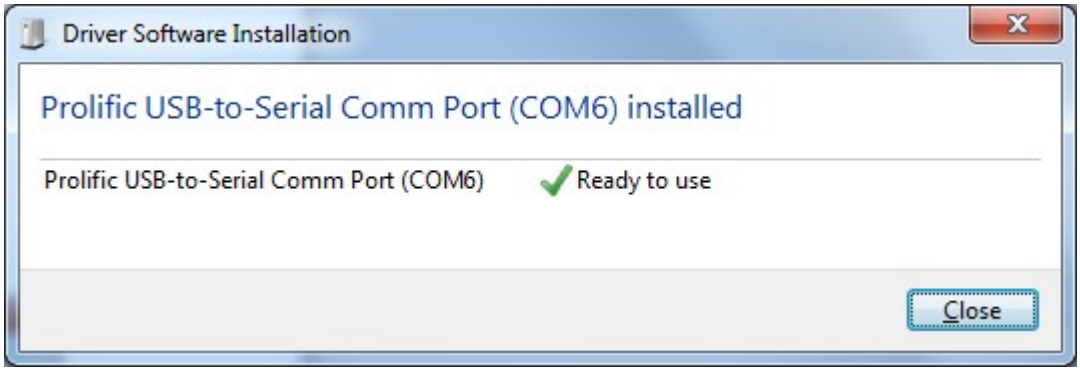


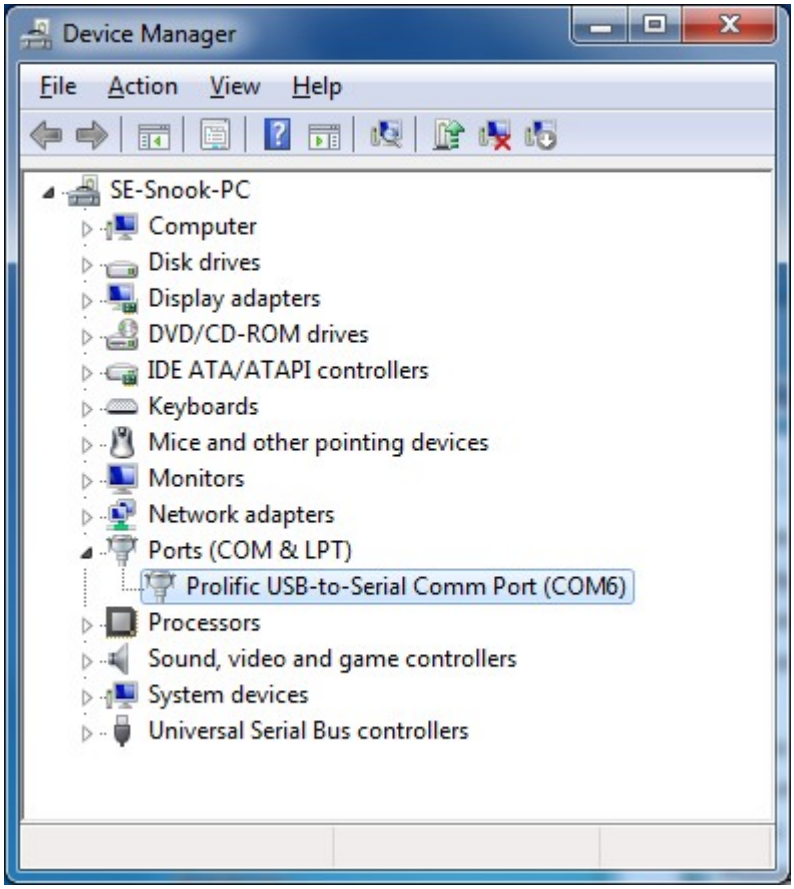
2. Windows will automatically check Windows Update if driver is available and will download and install the driver instantly.



All information herein is subject to change without prior notice. Prolific Technology Inc. does not make any warranties regarding the accuracy and completeness of this document and shall in no event be liable for any loss of profit or any other commercial damage, including but not limited to special, incidental, consequential, or other damages. No part of this document may be reproduced or transmitted in any form by any means without the express written permission of the manufacturer.

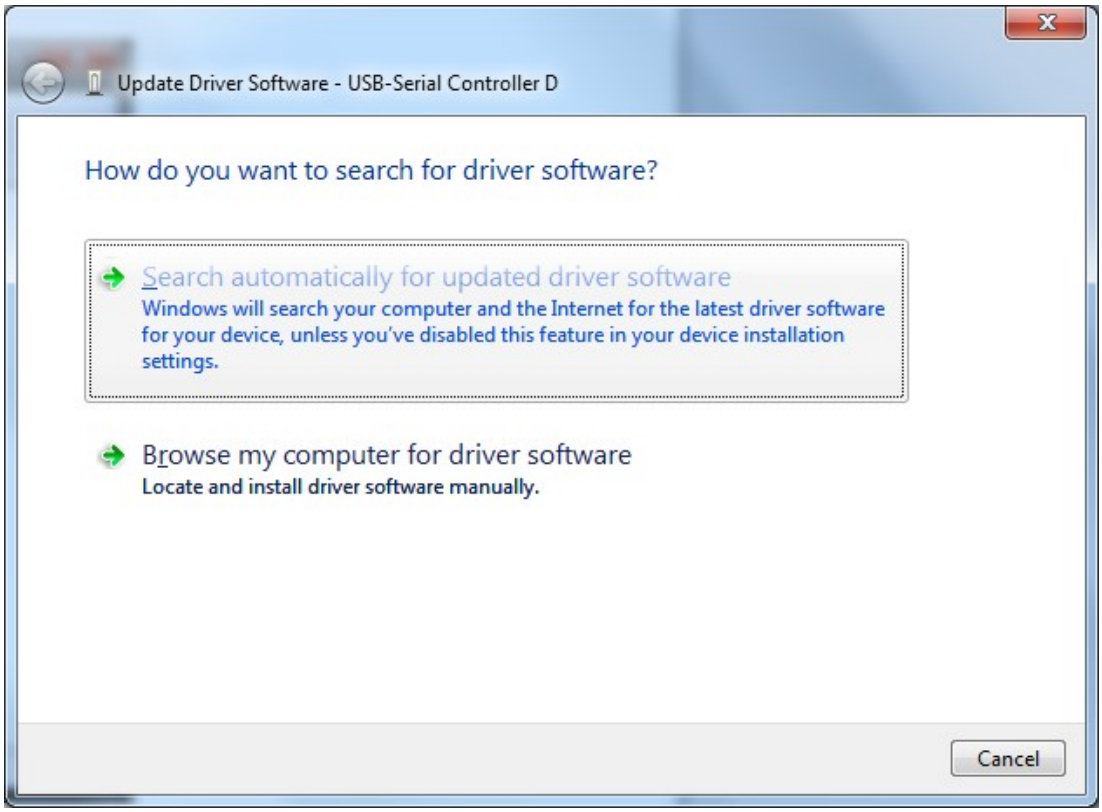
3. Windows will then prompt you that Prolific USB-to-Serial Comm Port (COMx) is installed and ready to use.

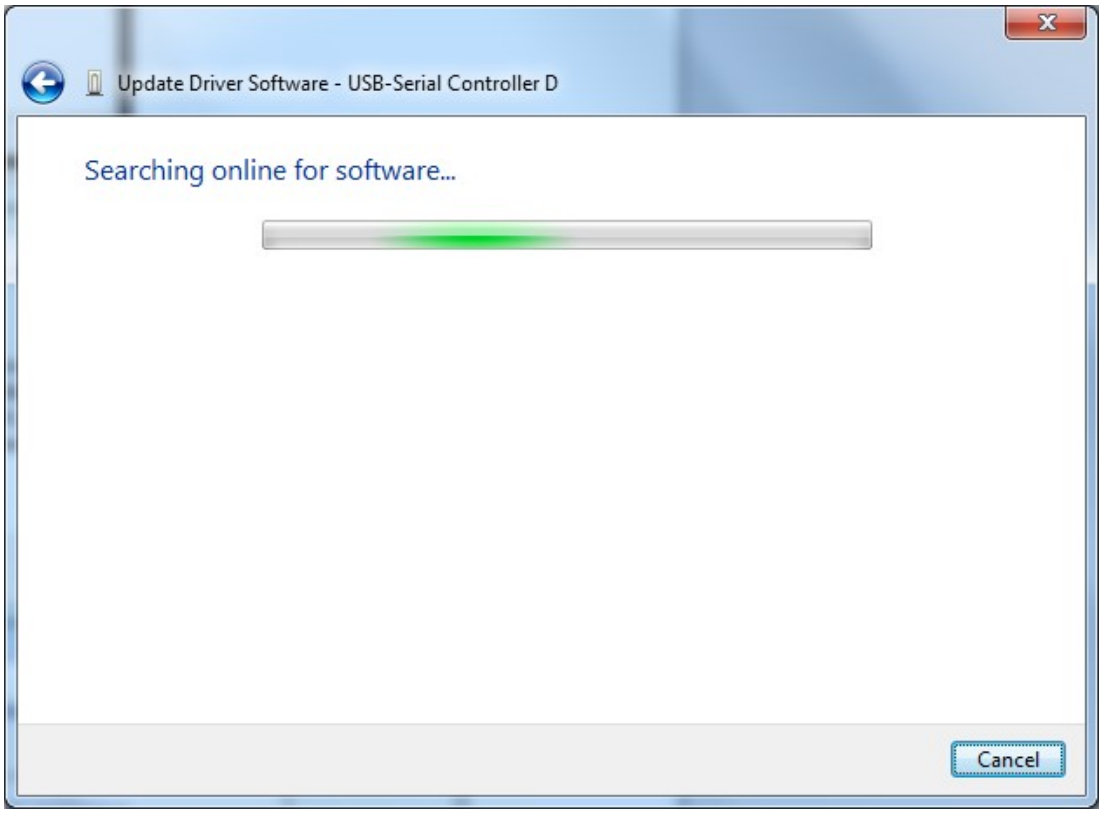




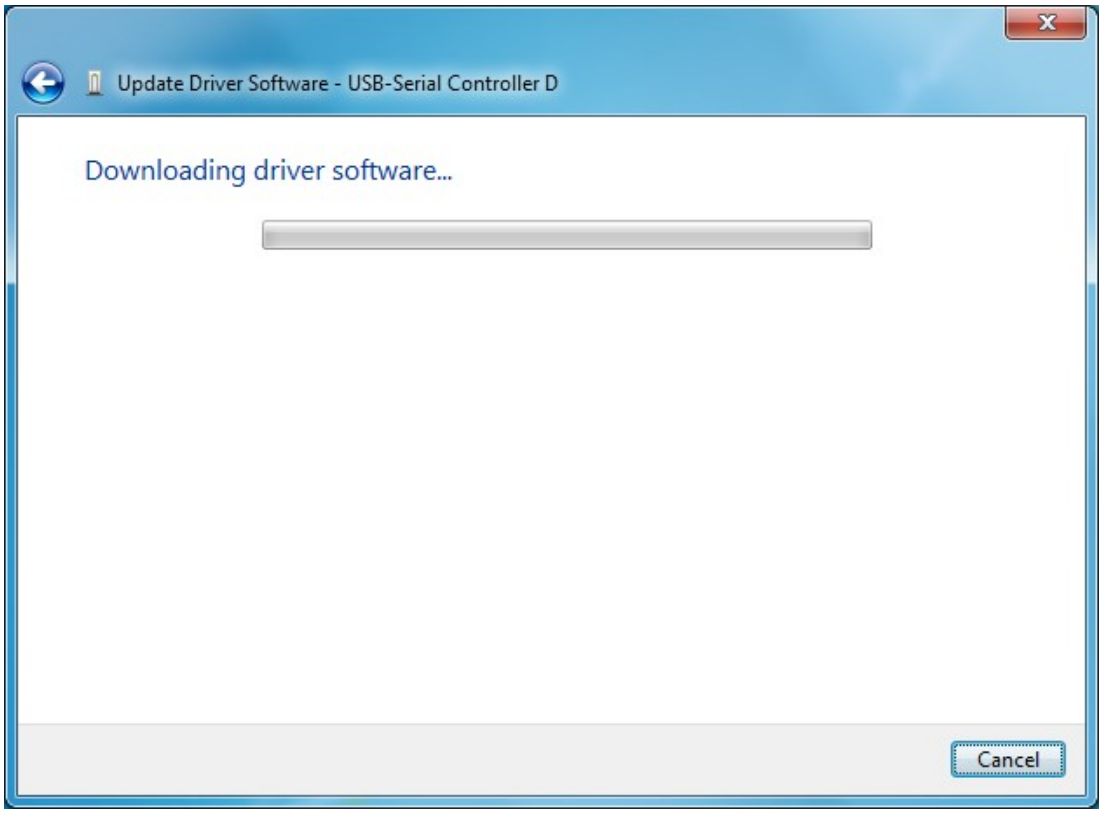
All information herein is subject to change without prior notice. Prolific Technology Inc. does not make any warranties regarding the accuracy and completeness of this document and shall in no event be liable for any loss of profit or any other commercial damage, including but not limited to special, incidental, consequential, or other damages. No part of this document may be reproduced or transmitted in any form by any means without the express written permission of the manufacturer.

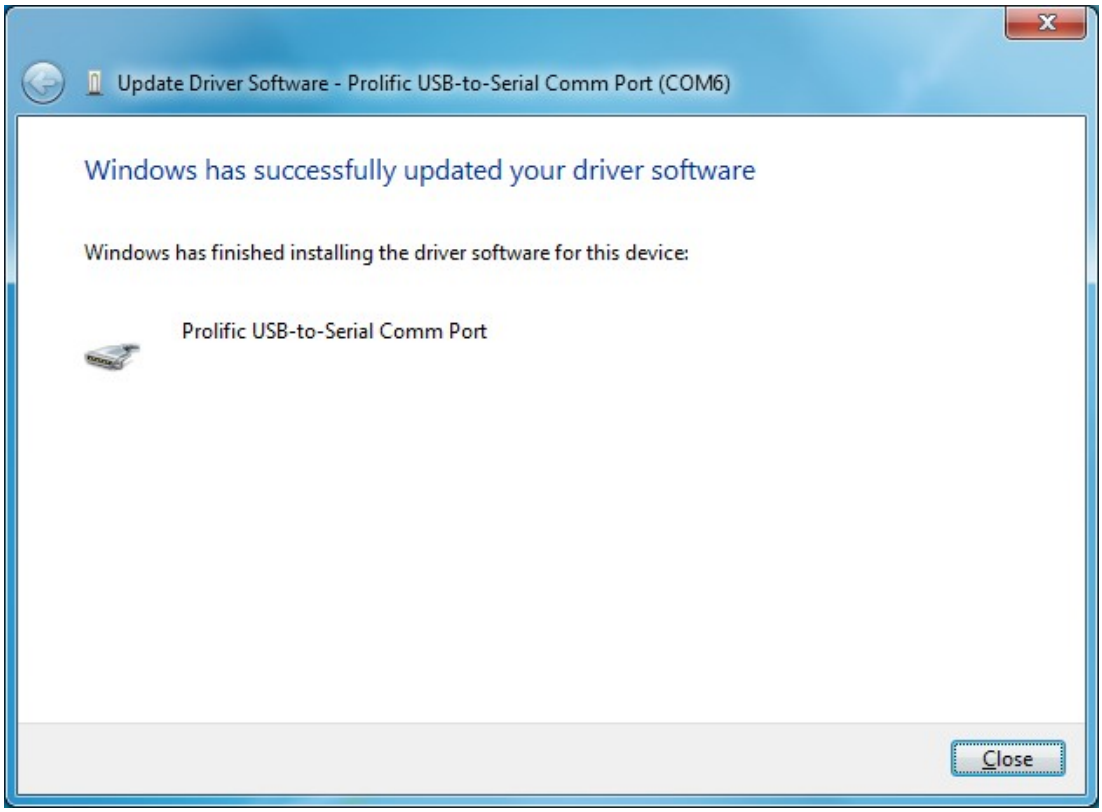
4. You can also right-click on the USB-Serial Controller device and click Update Driver.





All information herein is subject to change without prior notice. Prolific Technology Inc. does not make any warranties regarding the accuracy and completeness of this document and shall in no event be liable for any loss of profit or any other commercial damage, including but not limited to special, incidental, consequential, or other damages. No part of this document may be reproduced or transmitted in any form by any means without the express written permission of the manufacturer.

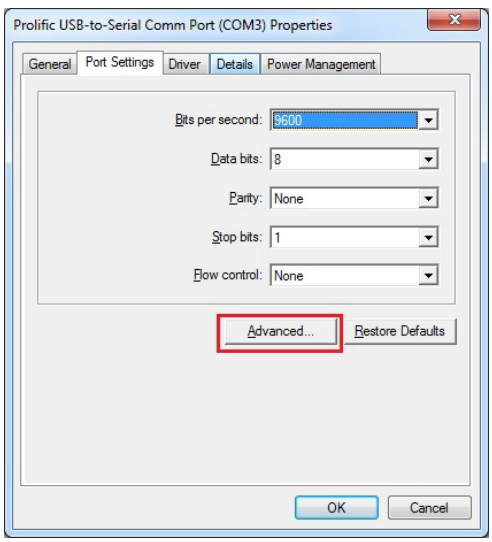


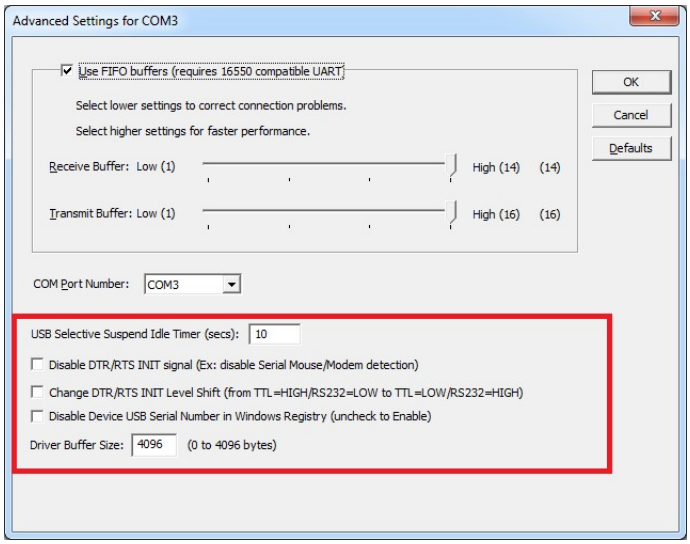


All information herein is subject to change without prior notice. Prolific Technology Inc. does not make any warranties regarding the accuracy and completeness of this document and shall in no event be liable for any loss of profit or any other commercial damage, including but not limited to special, incidental, consequential, or other damages. No part of this document may be reproduced or transmitted in any form by any means without the express written permission of the manufacturer.

Driver Advanced Settings

Starting from Driver v3.8.18.0, there are several advanced settings which users can control.





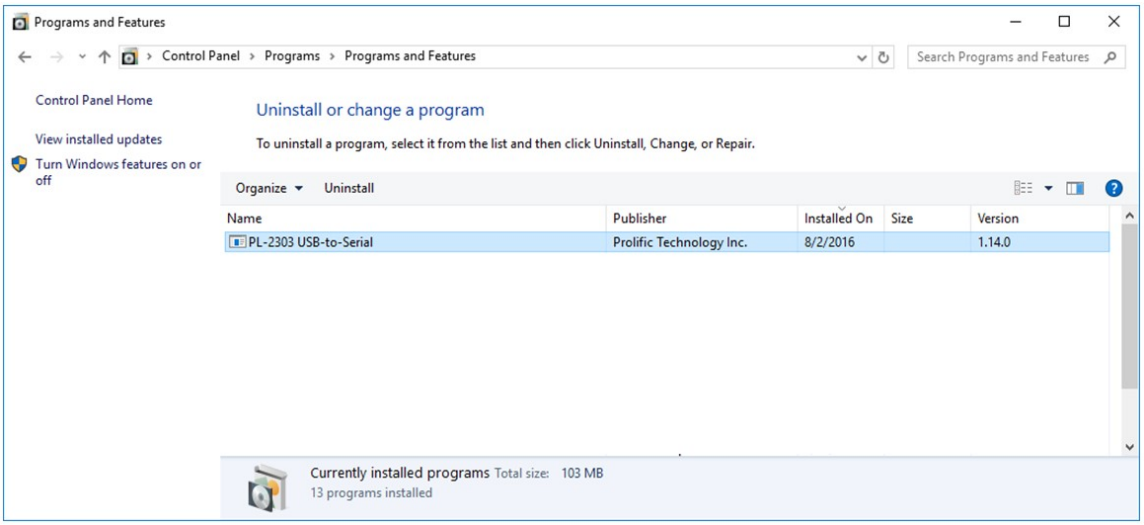
No.	Advanced Setting	Default	Description
1	**USB Selective Suspend Idle Timer**	10 sec	Idle Timer for the PL2303 chip to enter suspend mode (COM port not open). NOTE: For PL2303HXD/EA/RA, you need to write OTPROM first. This option does not work for PL2303SA.
2	**Disable DTR/RTS INIT signal**	Enable	Check this item to disable DTR/RTS pin initialization signal during driver load. NOTE: This will prevent driver from detecting serial mouse and serial modem.
3	**Change DTR/RTS INIT Level Shift**	TTL=HIGH RS232=LOW	Check to change DTR/RTS INIT level shift to TTL=LOW and RS232=HIGH. NOTE: This item will not work if “Disable DTR/RTS INIT signal” is on.
4	**Disable Device USB Serial Number in Windows Registry**	Enable	Check this to ignore PL2303 device Serial Number (set IgnoreHWSerNum in Windows registry). If disabled, each PL2303 device with different USB serial number will be treated as same device (no serial number) when plug to same USB port and will keep the same COM port number. This feature is useful for factory manufacturing use so the COM port number will not accumulate.
5	**Driver Buffer Size**	4096	Control the driver buffer size.

All information herein is subject to change without prior notice. Prolific Technology Inc. does not make any warranties regarding the accuracy and completeness of this document and shall in no event be liable for any loss of profit or any other commercial damage, including but not limited to special, incidental, consequential, or other damages. No part of this document may be reproduced or transmitted in any form by any means without the express written permission of the manufacturer.

Uninstalling the PL-2303 Driver

To uninstall the PL-2303 driver, follow the below steps:

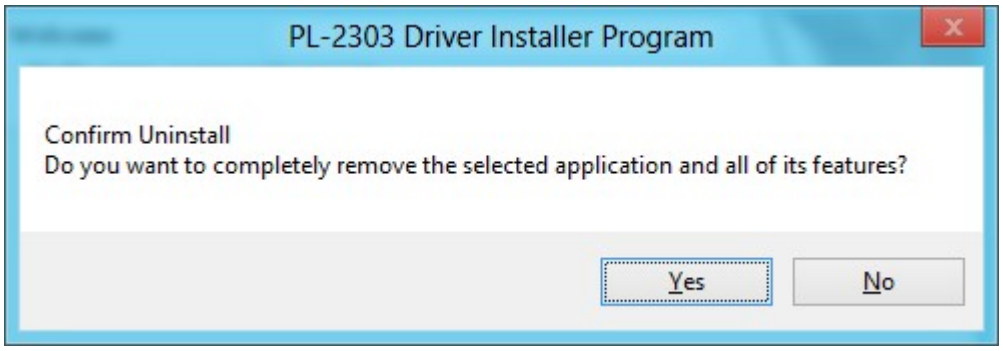
1. Click Start - Control Panel - Programs - Programs and Features - Uninstall a Program. Look for the “PL-2303 USB-to-Serial” program and click the Uninstall (Remove) button.



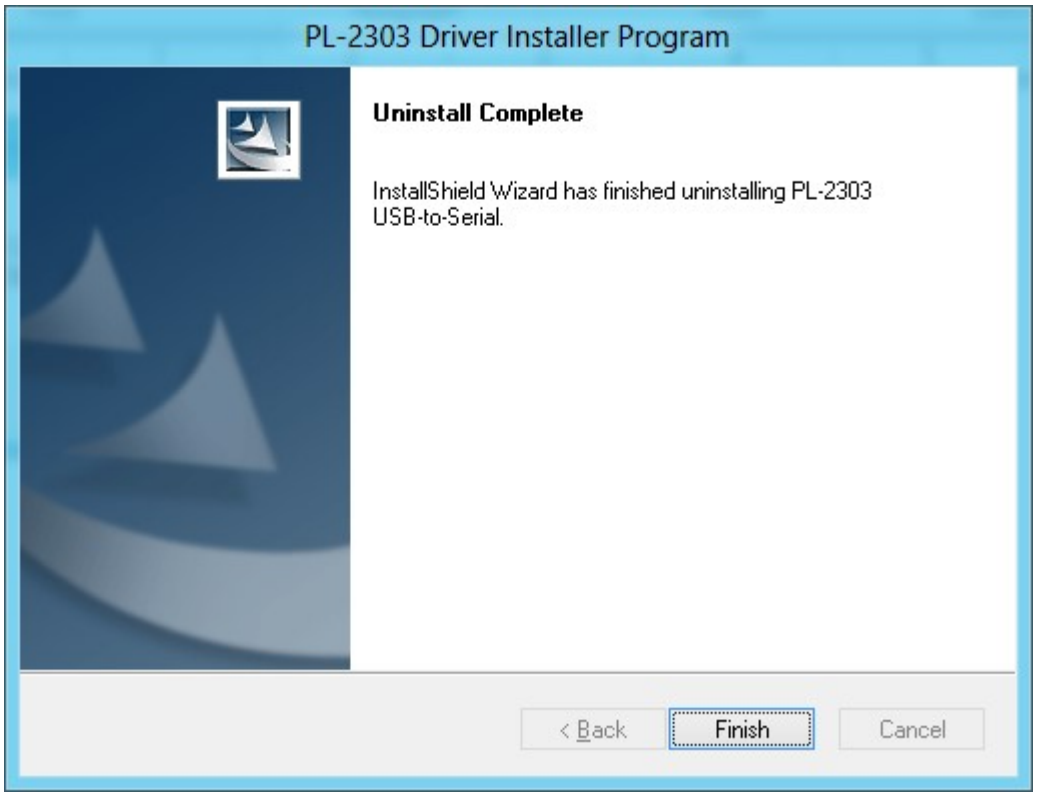
2. InstallShield Wizard will then start the maintenance program and will prompt you to choose if you want to modify, repair, or remove the driver. Click the Remove button and click Next to begin the driver uninstall.

All information herein is subject to change without prior notice. Prolific Technology Inc. does not make any warranties regarding the accuracy and completeness of this document and shall in no event be liable for any loss of profit or any other commercial damage, including but not limited to special, incidental, consequential, or other damages. No part of this document may be reproduced or transmitted in any form by any means without the express written permission of the manufacturer.

3. The InstallShield Wizard will prompt you to confirm to uninstall. Click Yes to continue.

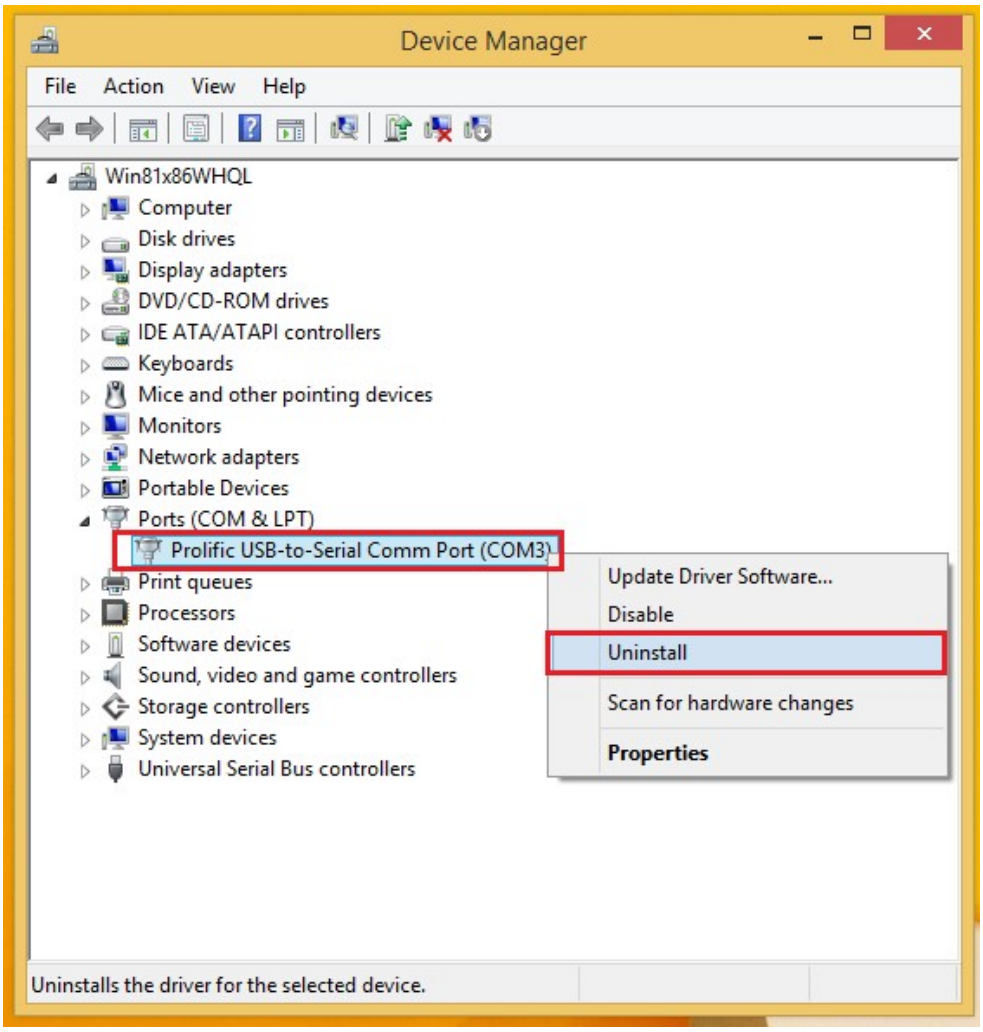


4. Wait for the InstallShield Wizard to complete the uninstall process. When complete, click Finish to end the program. Wait for some few seconds until the “PL-2303 USB-to-Serial” program is removed from the Control Panel Uninstall (Add or Remove Programs) program list.



All information herein is subject to change without prior notice. Prolific Technology Inc. does not make any warranties regarding the accuracy and completeness of this document and shall in no event be liable for any loss of profit or any other commercial damage, including but not limited to special, incidental, consequential, or other damages. No part of this document may be reproduced or transmitted in any form by any means without the express written permission of the manufacturer.

5. If you are using Windows Server versions or installed the driver thru **Windows Update**, you may need to do this extra step if driver is not completely uninstalled. Plug back the PL2303 device to the computer and go to Device Manager and right-click “Prolific USB-to-Serial Comm Port”. Click Uninstall and click enable the checkbox “Delete the driver software for this device”. Click OK to completely uninstall the driver.



All information herein is subject to change without prior notice. Prolific Technology Inc. does not make any warranties regarding the accuracy and completeness of this document and shall in no event be liable for any loss of profit or any other commercial damage, including but not limited to special, incidental, consequential, or other damages. No part of this document may be reproduced or transmitted in any form by any means without the express written permission of the manufacturer.