

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.

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Microsoft Hardware Certification Report

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

	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

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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 straightforward 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.





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

PL-2303 Driver Installer Program	×
Setup Status	
PL-2303 USB-to-Serial is configuring your new software installation.	
InstallShield	Cancel

 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.

PL-2303 Driver Installer Program	n
	InstallShield Wizard Complete The InstallShield Wizard has successfully installed PL-2303 USB-to-Serial. Click Finish to exit the wizard.
	< <u>B</u> ack Finish Cancel

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 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.



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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.





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Windows Update

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 outematically download and install the drivers via Windows Update:

need an internet connect	tion to automatically down		s via vvinuows opuale.
Operating Systems	Windows 7	Windows 8 / 8.1	Windows 10
	(32 & 64 bit)	(32 & 64 bit)	(32 & 64 bit)

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

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



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



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

Geo I Update Driver Software - USB-Serial Controller D	X
How do you want to search for driver software?	
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
Update Driver Software - USB-Serial Controller D	X
Update Driver Software - USB-Serial Controller D Searching online for software	X
Update Driver Software - USB-Serial Controller D Searching online for software	X
Vpdate Driver Software - USB-Serial Controller D Searching online for software	

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		x
	Update Driver Software - USB-Serial Controller D	
D	ownloading driver software	
		Cancel
<u></u>		
		x
<u></u>	Update Driver Software - Prolific USB-to-Serial Comm Port (COM6)	×
© 1 w	Update Driver Software - Prolific USB-to-Serial Comm Port (COM6) Vindows has successfully updated your driver software	×
	Update Driver Software - Prolific USB-to-Serial Comm Port (COM6) Vindows has successfully updated your driver software	×
© 1 	Update Driver Software - Prolific USB-to-Serial Comm Port (COM6) Vindows has successfully updated your driver software	×
() 	Update Driver Software - Prolific USB-to-Serial Comm Port (COM6) Vindows has successfully updated your driver software Vindows has finished installing the driver software for this device:	×
() 	Update Driver Software - Prolific USB-to-Serial Comm Port (COM6) Vindows has successfully updated your driver software Vindows has finished installing the driver software for this device: Prolific USB-to-Serial Comm Port	X
() 	Update Driver Software - Prolific USB-to-Serial Comm Port (COM6) Vindows has successfully updated your driver software Vindows has finished installing the driver software for this device: Prolific USB-to-Serial Comm Port	X
© 1	Update Driver Software - Prolific USB-to-Serial Comm Port (COM6) Vindows has successfully updated your driver software indows has finished installing the driver software for this device: Prolific USB-to-Serial Comm Port	×
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	Update Driver Software - Prolific USB-to-Serial Comm Port (COM6) Vindows has successfully updated your driver software findows has finished installing the driver software for this device: Prolific USB-to-Serial Comm Port	

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Driver Advanced Settings

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

Prolific USB-to-Serial Comm Port (COM3) Properties	Advanced Settings for COM3	x
General Port Settings Driver Details Power Management Bits per second: Data bits: Data bits: Bits per second: Data bits: Data b	Image: Select lower settings to correct connection problems. Select lower settings for faster performance. Beceive Buffer: Low (1) Image: Imag	OK Cancel Defaults
Advanced Restore Defaults	USB Selective Suspend Idle Timer (secs): 10 Disable DTR/RTS INIT signal (Ex: disable Serial Mouse/Modem detection) Change DTR/RTS INIT Level Shift (from TTL=HIGH/RS232=LOW to TTL=LOW/RS232=HIGH) Disable Device USB Serial Number in Windows Registry (uncheck to Enable) Driver Buffer Size: 4096 (0 to 4096 bytes)	

No.	Advanced Setting	Default	Description
		10 sec	Idle Timer for the PL2303 chip to enter suspend mode (COM port not open).
1	USB Selective Suspend Idle Timer		NOTE: For PL2303HXD/EA/RA, you need to write OTPROM first.
			This option does not work for PL2303SA.
		Enable	Check this item to disable DTR/RTS pin initialization signal during driver load.
2 Disable DTR/RTS INTE signa			NOTE: This will prevent driver from detecting serial mouse and serial modem.
		TTL=HIGH	Check to change DTR/RTS INIT level shift to
3	Change DTR/RTS INIT Level	RS232=LOW	TTL=LOW and RS232=HIGH.
Shift	Shift		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.

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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.

Programs and Features						-		×
\leftarrow \rightarrow \checkmark \Uparrow \blacksquare \diamond Contro	l Panel > Program	s > Programs and Features		~ (5 Search F	^p rograms and F	eatures	P
Control Panel Home	Uninsta	ll or change a program						
View installed updates	To uninst	all a program, select it from the list and then	click Uninstall, Change, or Repair.					
Turn Windows features on or off	Organize 🔻	Uninstall					•	2
	Name		Publisher	Installed On	Size	Version		
	PL-2303 US	B-to-Serial	Prolific Technology Inc.	8/2/2016		1.14.0		

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.

	PL-2303 Driver Installer Program
₩elcome Modify, repai	ir, or remove the program.
Welcome to modify the cu	the PL-2303 USB-to-Serial Setup Maintenance program. This program lets you urrent installation. Click one of the options below.
◯ <u>M</u> odify	
1	Select new program features to add or select currently installed features to remove.
⊖ R <u>e</u> pair	Reinstall all program features installed by the previous setup.
Eemove Eemove InstallShield	Remove all installed features.
	<u>N</u> ext > Cancel

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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.

PL-	2303 Driver Installer Program
	Uninstall Complete InstallShield Wizard has finished uninstalling PL-2303 USB-to-Serial.
	< <u>B</u> ack Finish Cancel

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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.



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