

Axxon Model # LF616KB Rev B Universal PCI Bus Parallel Port Host Adapter

Installation document version 1.2 06-18-2012

- Universal PCI (uPCI) Bus compatible with 3.3 volt and 5 volt PCI or PCI-X slots **(NOT for use in PCIe / PCI Express slots)**
- This adapter is a proper replacement to the Axxon P/N # LF534KB and P/N # LF616KB Rev A designs
- Low / Standard (Full) Height mounting expansion slot compatible
- ECP, EPP 1.7, PS2 (Bidirectional), Unidirectional compatible parallel port interface
- 30kv ESD protection on parallel port interface (highest in the industry)
- DB25F connector with industry standard parallel port pinout
- Supported under DOS, Windows XP (32/64), 2000, 2003, 2008, Vista (32/64), Windows 7 (32/64), Windows 8 (32/64), SCO 5.07, SCO 6.0, VMWARE
- Compatible and certified by Sensable Technologies for use their product line using DTM tested and Microsoft signed drivers
- Compatible with parallel port printers and most parallel port based security key dongles (Aladdin HASP / Hardlock, Wibu, Dallas iButton, Sentinel Rainbow / Safenet. C+, Scribe)
- RoHS & Pb-free compliant assembly and components
- 4- layer High Grade FR4 PCB
- No-charge technical support by Design Engineers / Device Driver developers (Windows / Linux)
- 5 year product replacement warranty (shipping not included)
- **Designed and Assembled in Canada** using advanced automated assembly ISO9001:2000 certified procedures

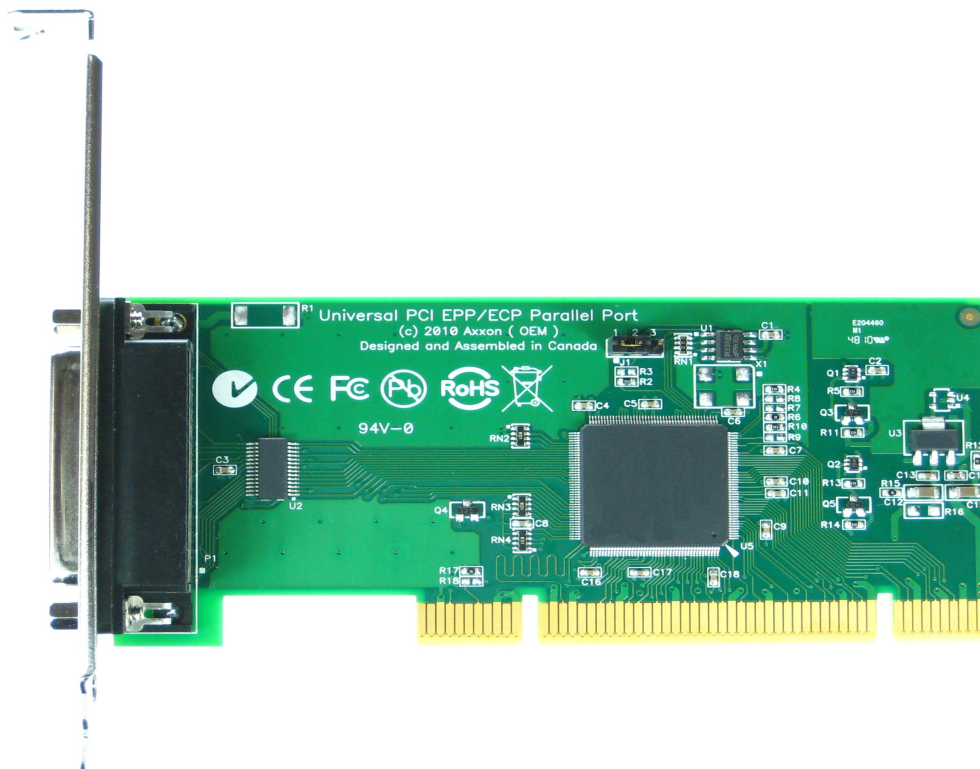


Figure 1: Current photo of Axxon LF616KB Rev B Universal PCI Bus Adapter Card

Windows Device Driver Installation

http://www.softio.com/drivers/LF616KB_Sensable_DTM_Signed.zip

- Case sensitive URL
- Type exactly as shown
- Customized device driver to support Sensable products with the LF616KB Rev B adapter
- Device driver is suitable for XP -> Windows 7 (32/64 bit) use
- Download this fileset -> extract to a local folder (ie. [C:\LF616KB](#) or similar foldername)

This adapter is based on 2 of PCI Functions. Normal use of this circuit board requires the use of jumper J1 with Pins 1&2 closed (shorted) = Left & Middle pins closed.

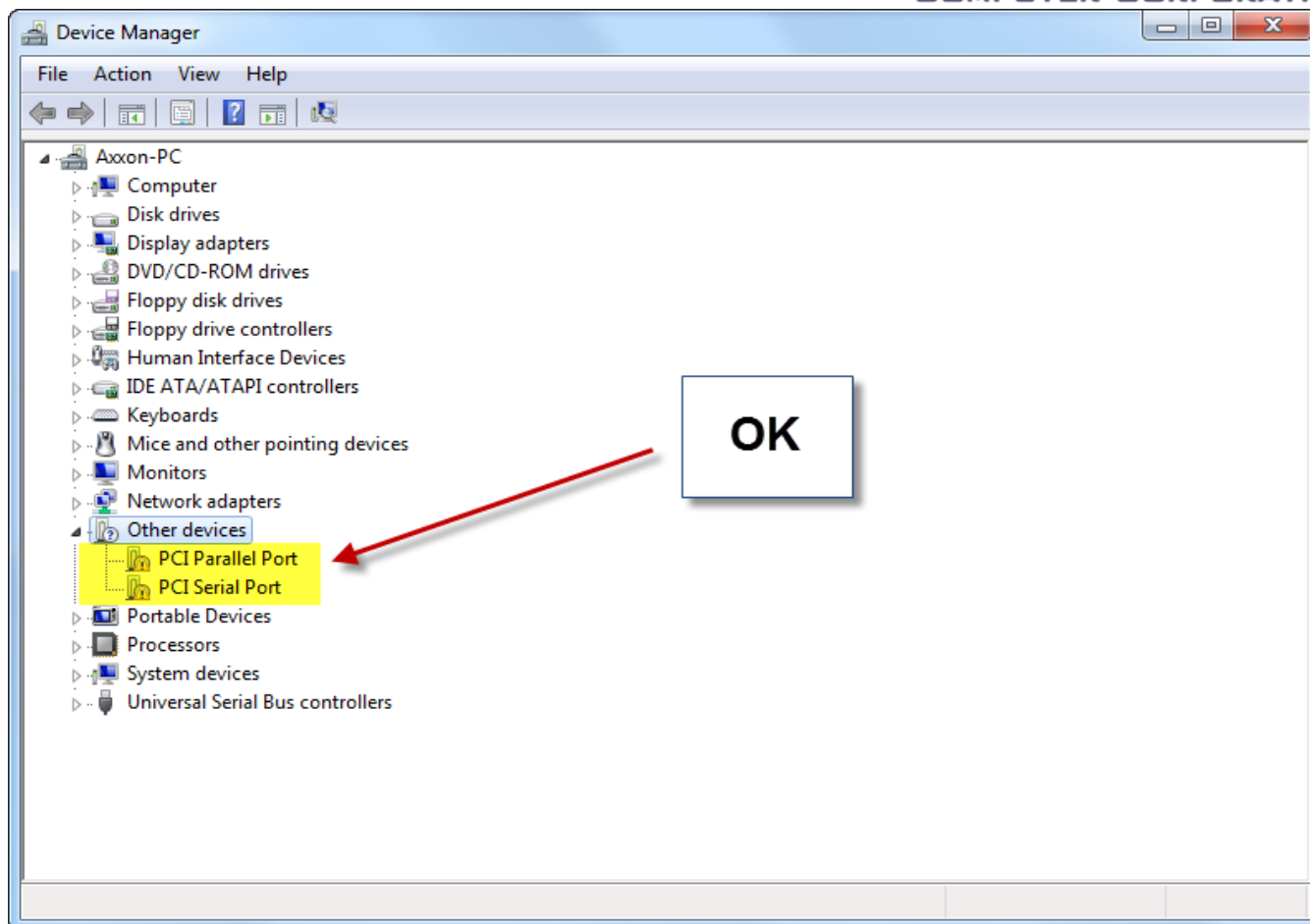
The 2 PCI Functions are:

PCI Serial Port - this function is not electrically enabled but will be detected by Windows. Upon installation of the device driver, this function will be disabled.

PCI Parallel Port – this function upon installation of the device driver will appear in the Device Manager -> Ports listing as LPTx. The LPTx label may be manually changed to suit your installation.

For each function, “Found New Hardware Wizard” in Windows will be displayed. Select the option to point to the [C:\LF616KB](#) -> 32 bit folder name if using Windows 32 bit operating system.

Respectively, use the [C:\LF616KB](#) -> 64 bit folder name if using Windows 64 bit operating system.



(F:) > LF616KB Rev. B > LF616KB_Sensable_DTM_Signed >

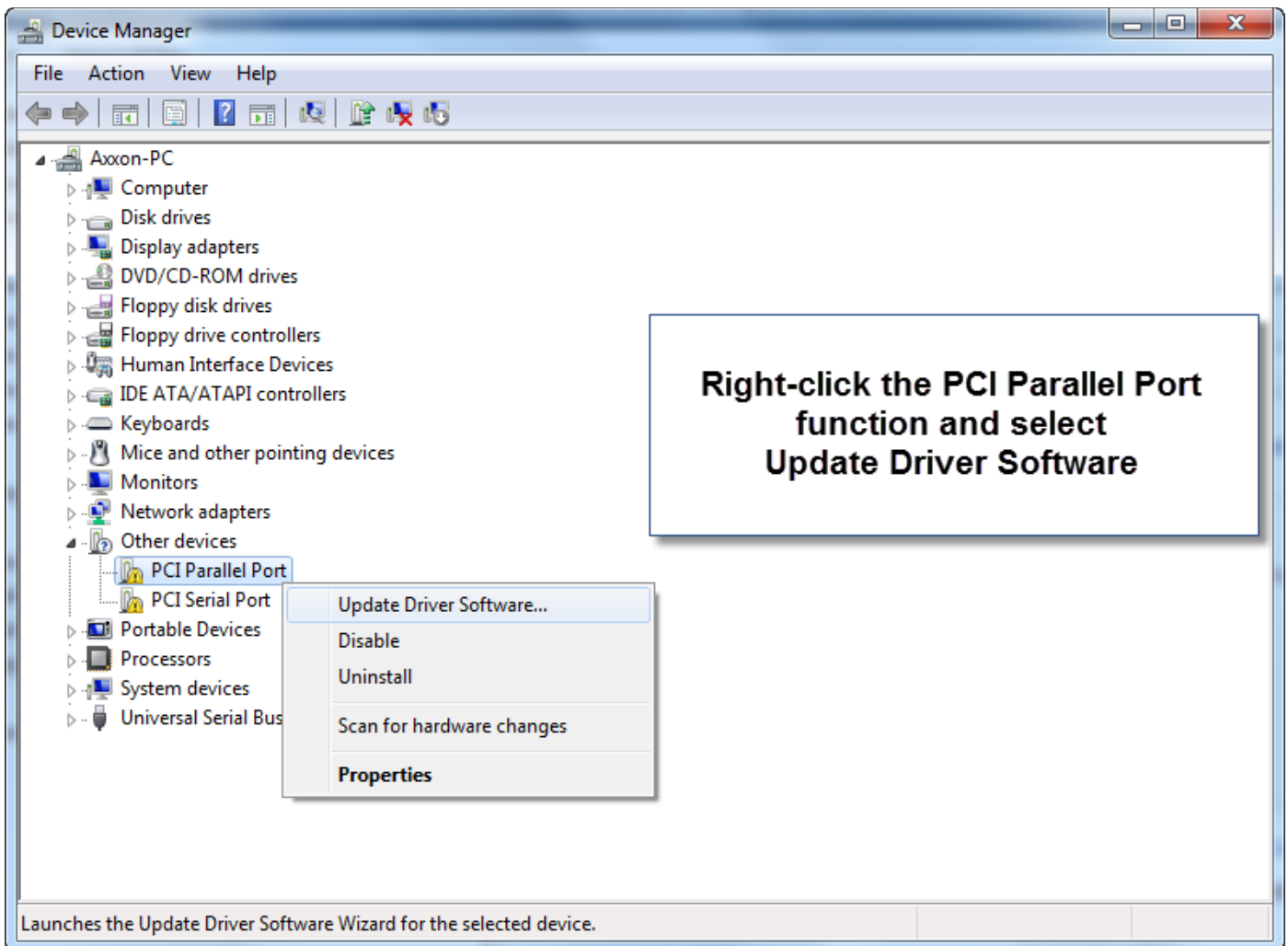
Name	Type	Compressed size	Password ...	Size	Ratio	Date modified
32bit	File folder					29/01/2011 12:45 AM
64bit	File folder					29/01/2011 12:43 AM

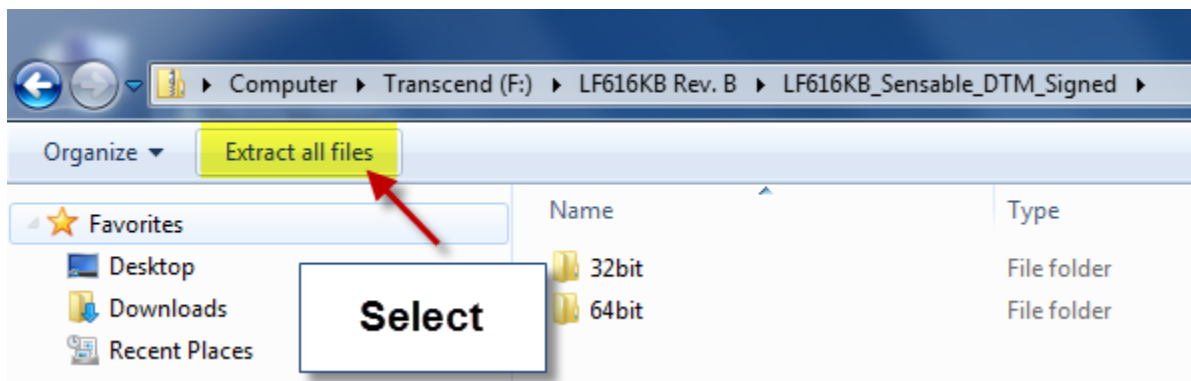
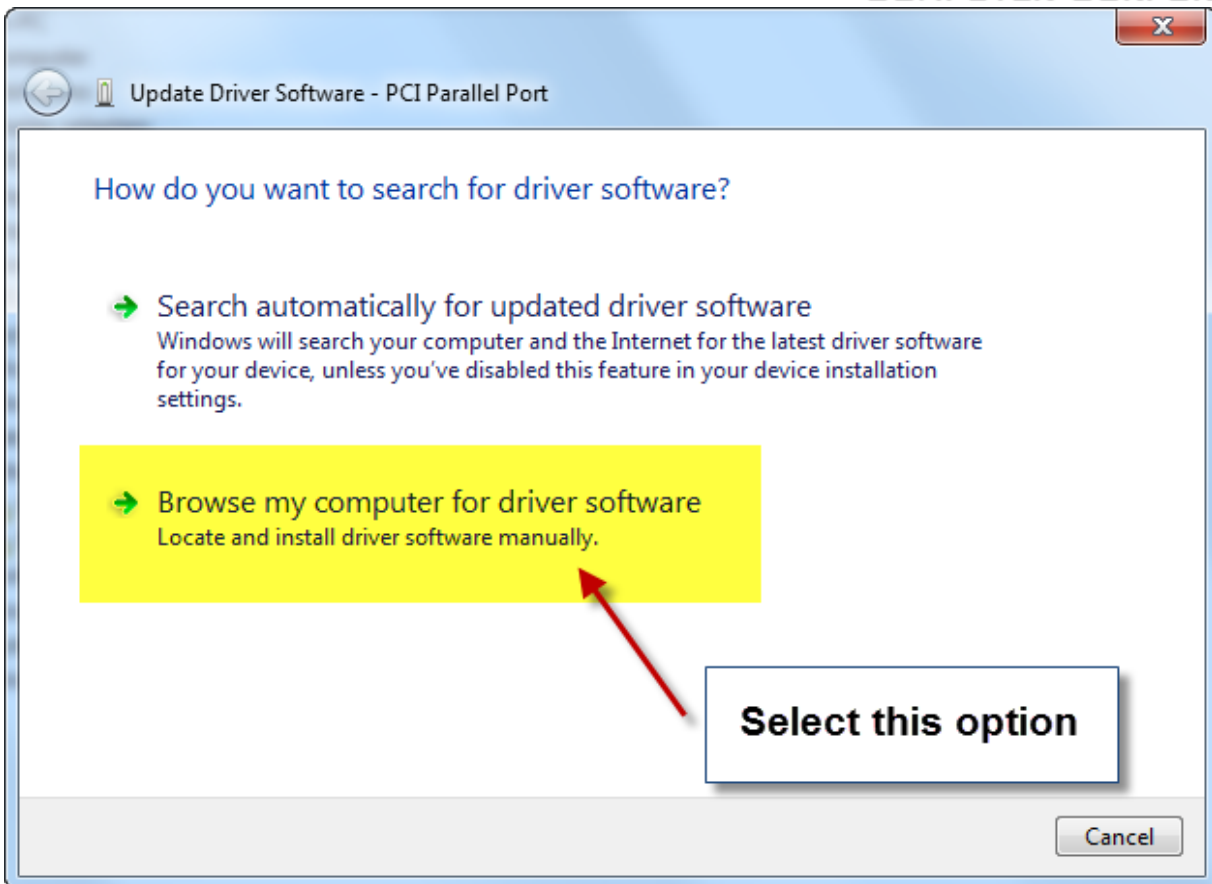
Download contains 2 folders:
32bit
64 bit

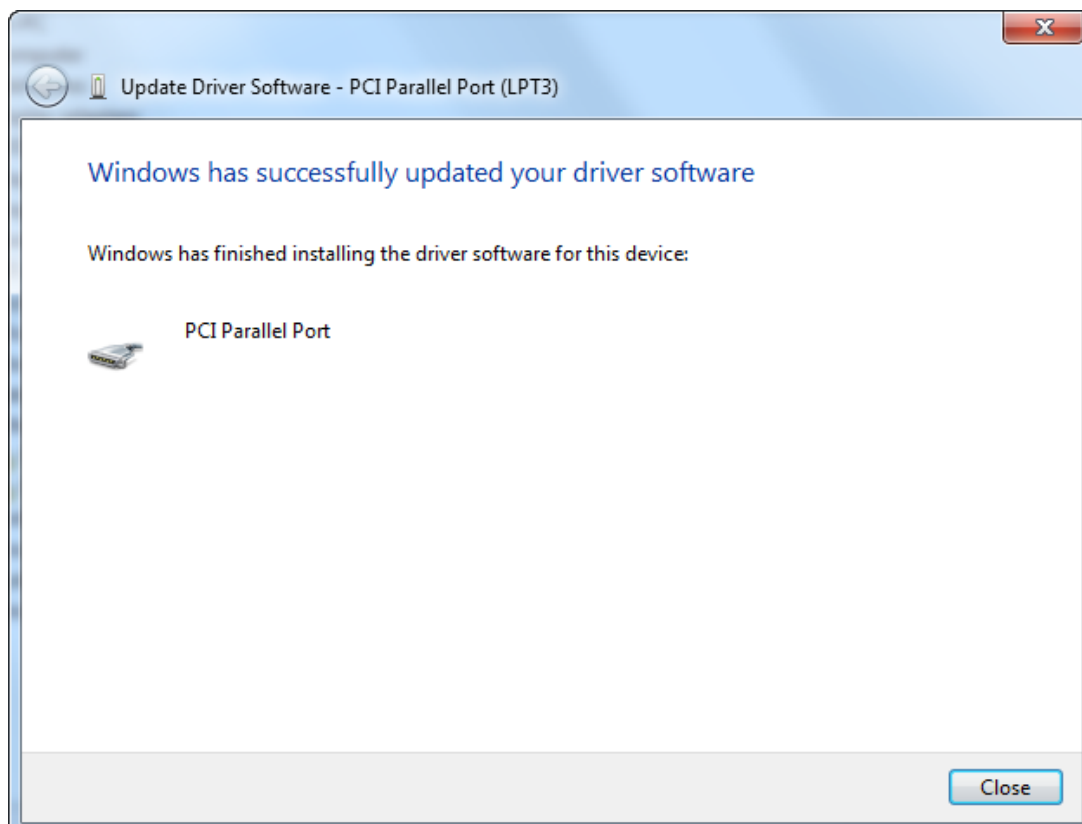
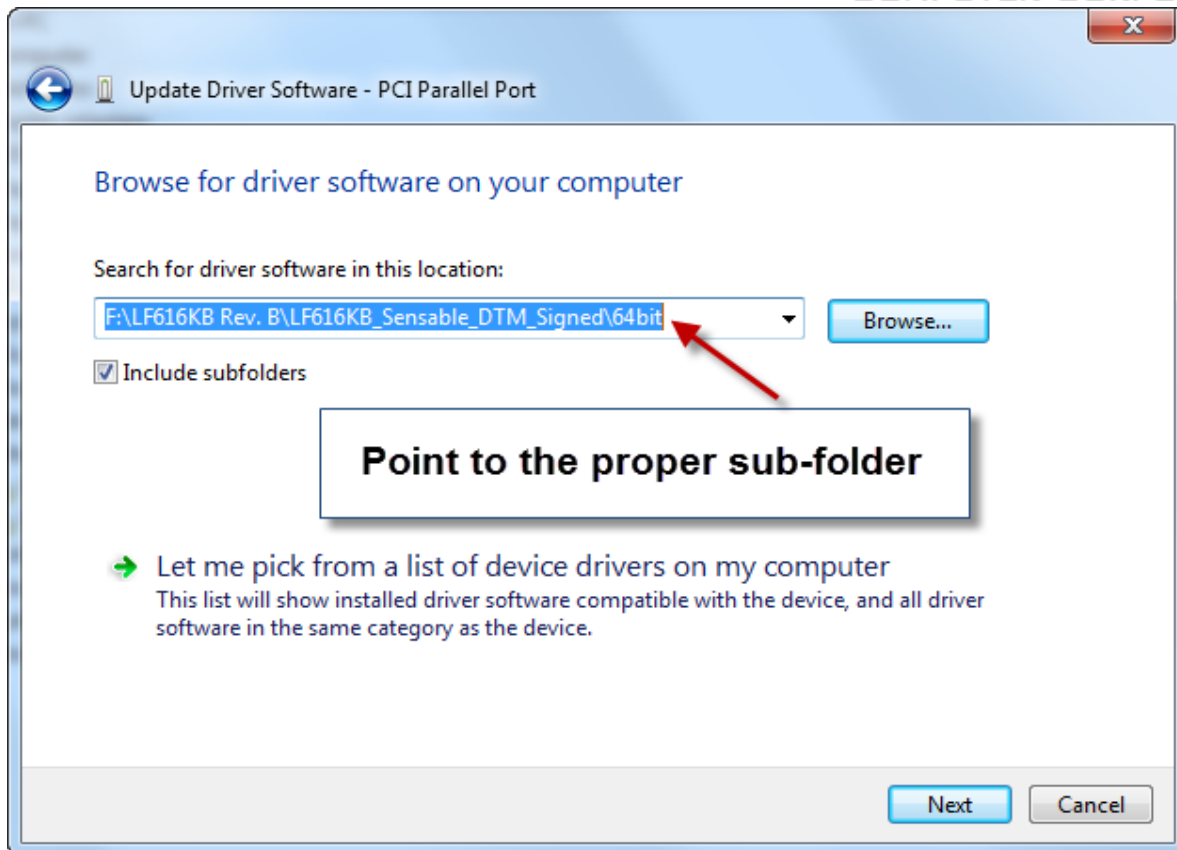
(F:) > LF616KB Rev. B > LF616KB_Sensable_DTM_Signed > 64bit >

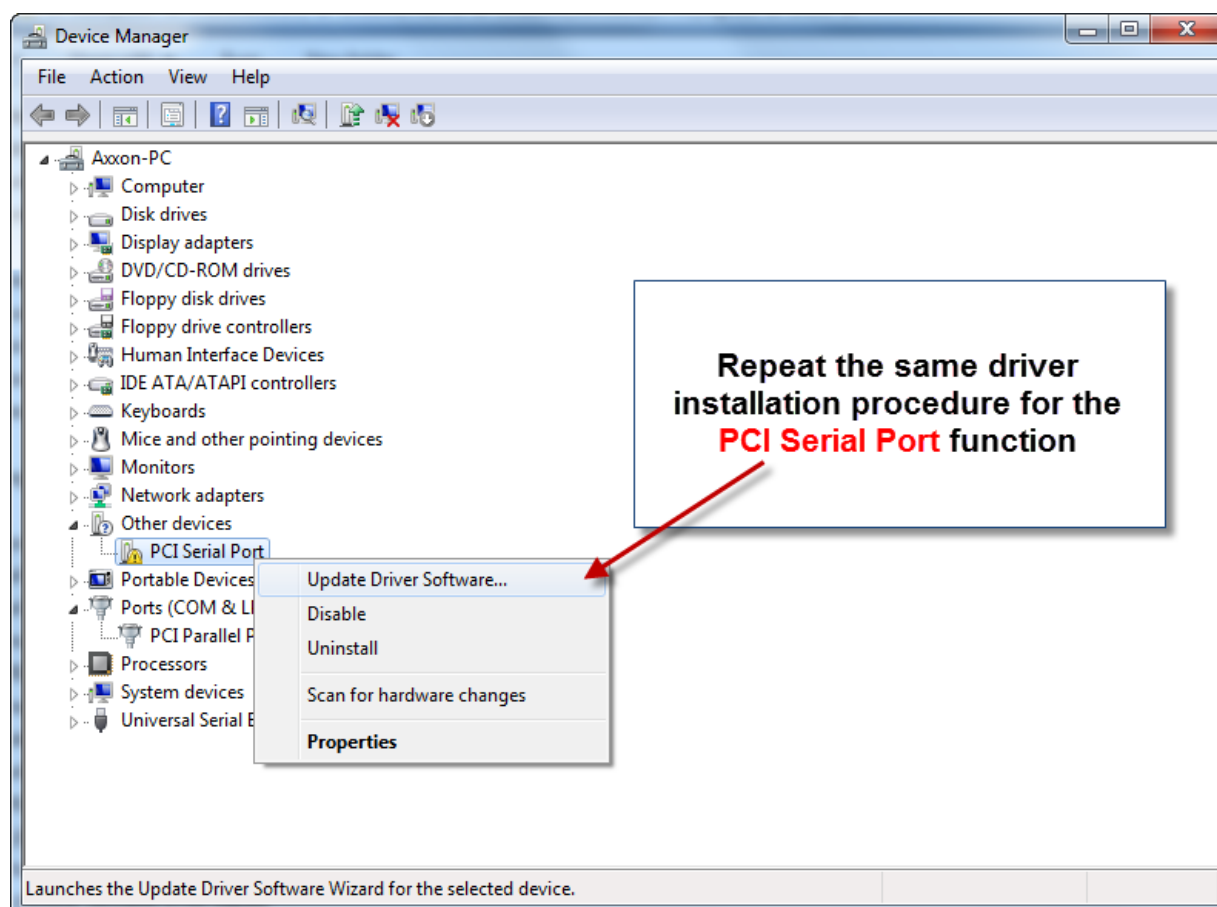
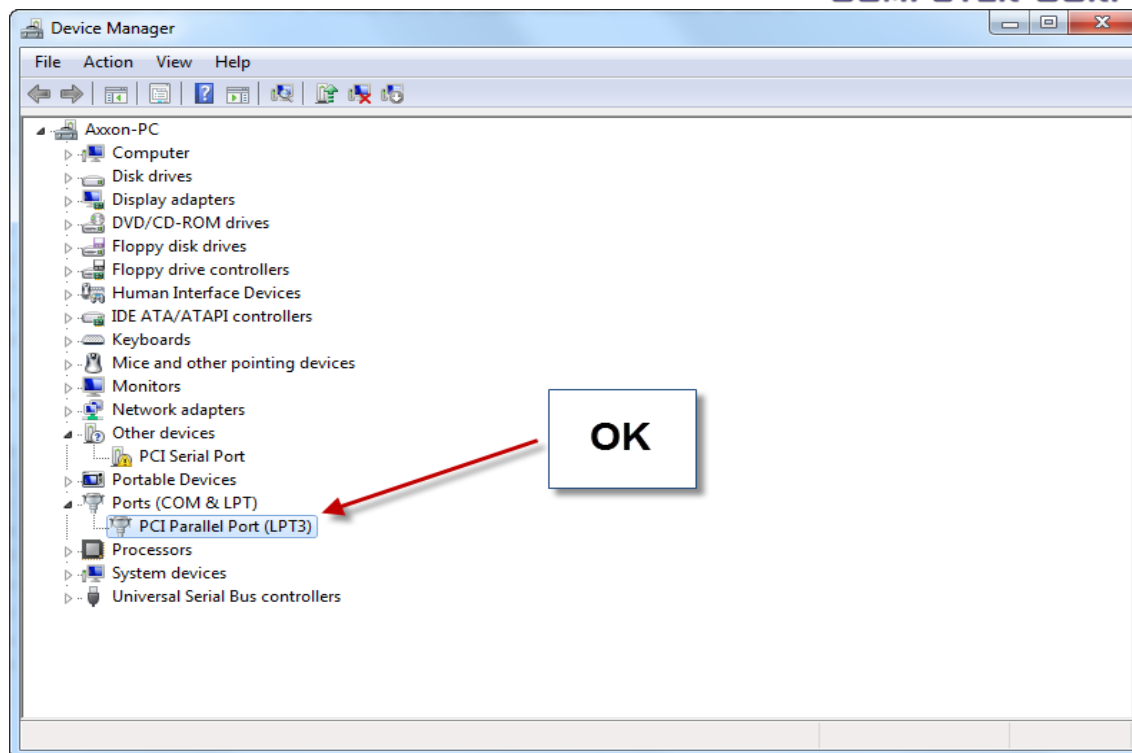
Name	Type	Compressed size	Password ...	Size	Ratio	Date modified
amd64	File folder					29/01/2011 12:43 AM
x86	File folder					29/01/2011 12:43 AM
oxpport	Security Catalog	5 KB	No	9 KB	46%	28/01/2011 7:00 AM
OxPPort	Setup Information	2 KB	No	8 KB	79%	22/01/2011 10:45 AM
OxPPort.dll	Application extension	14 KB	No	32 KB	57%	22/01/2011 10:39 AM
OxPPort.sys	System file	50 KB	No	99 KB	51%	22/01/2011 10:40 AM

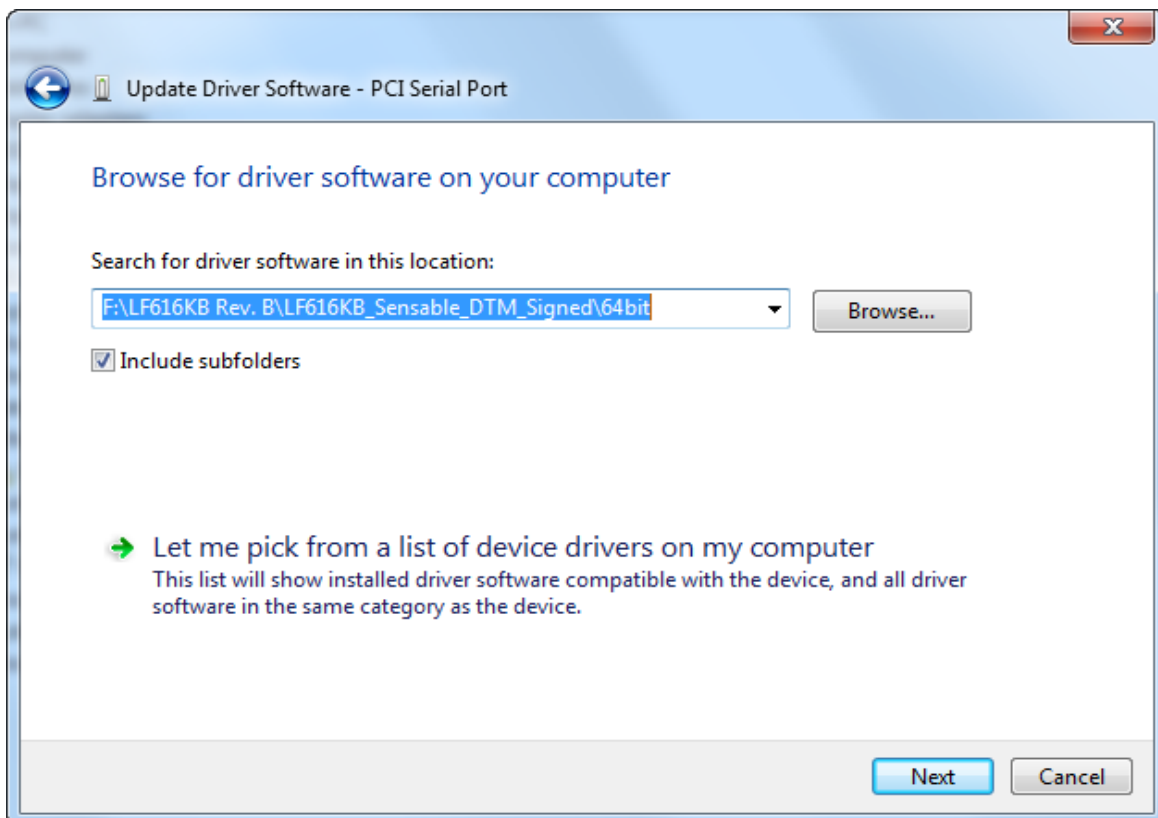
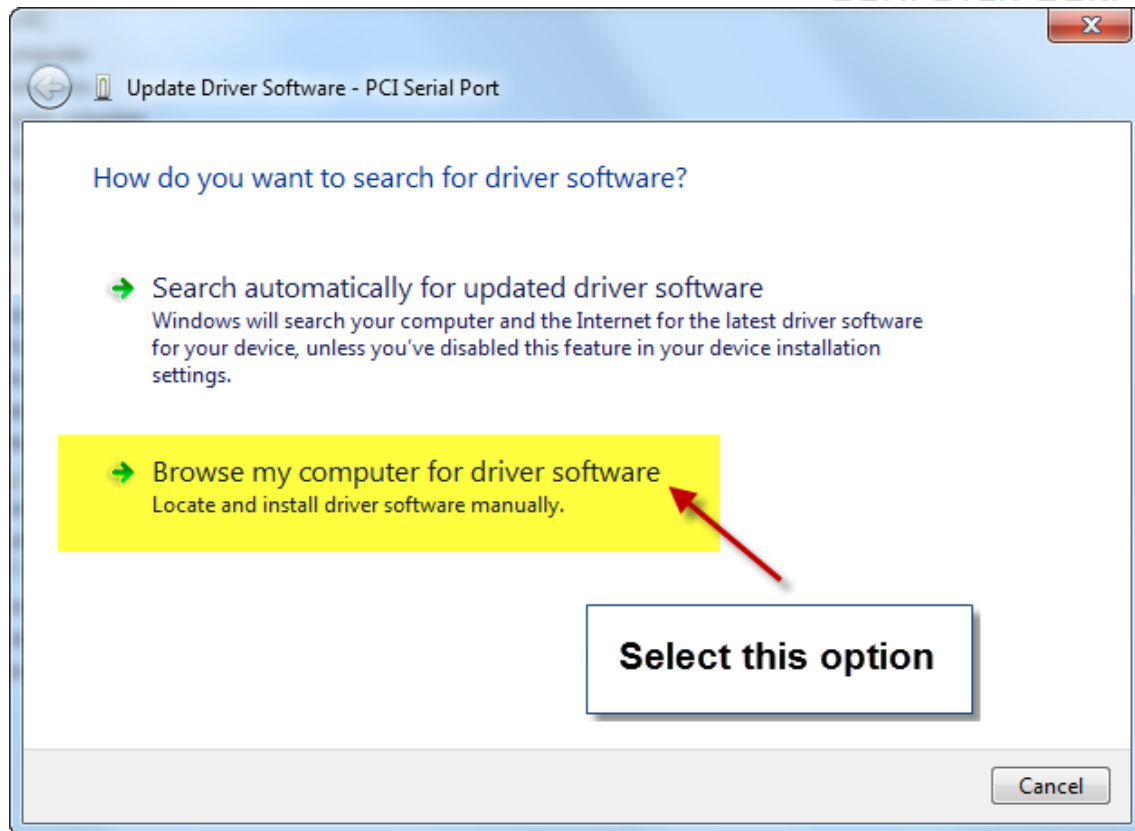
Use these files to install the PCI Parallel Port function.

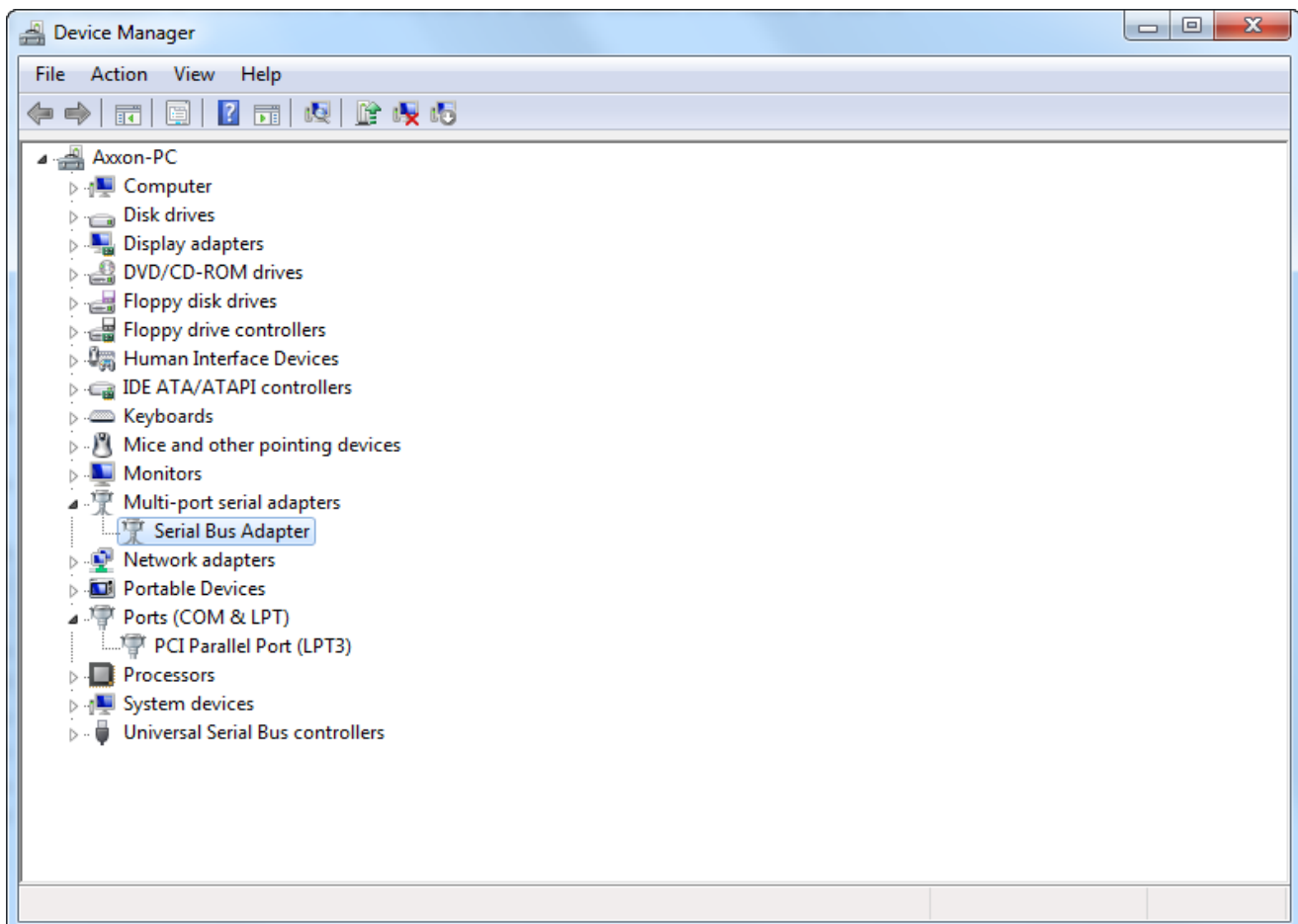
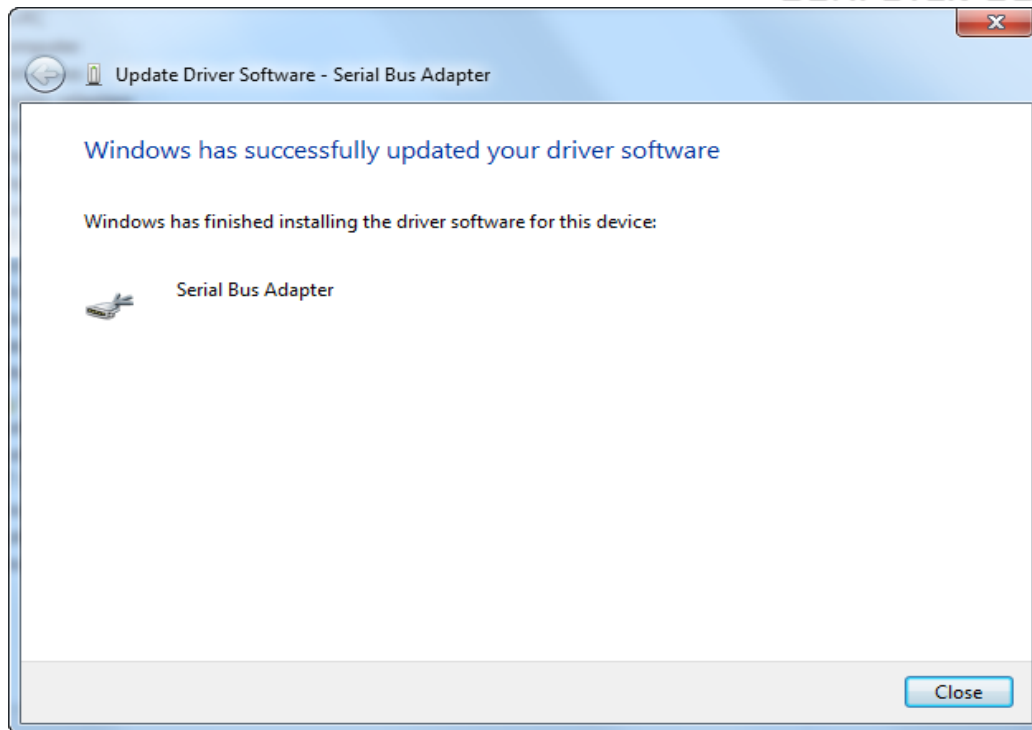


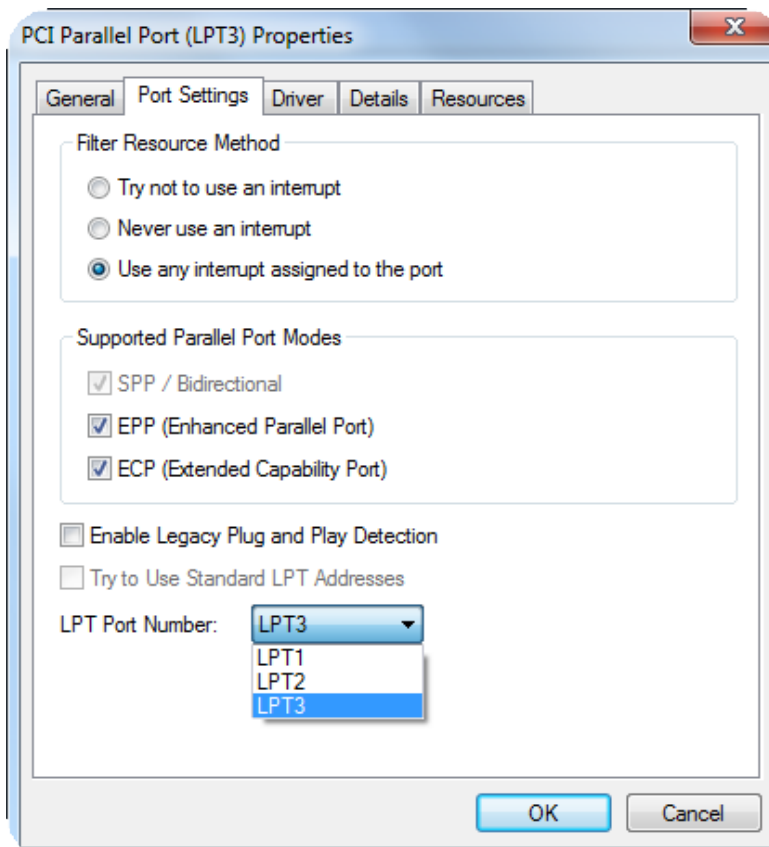
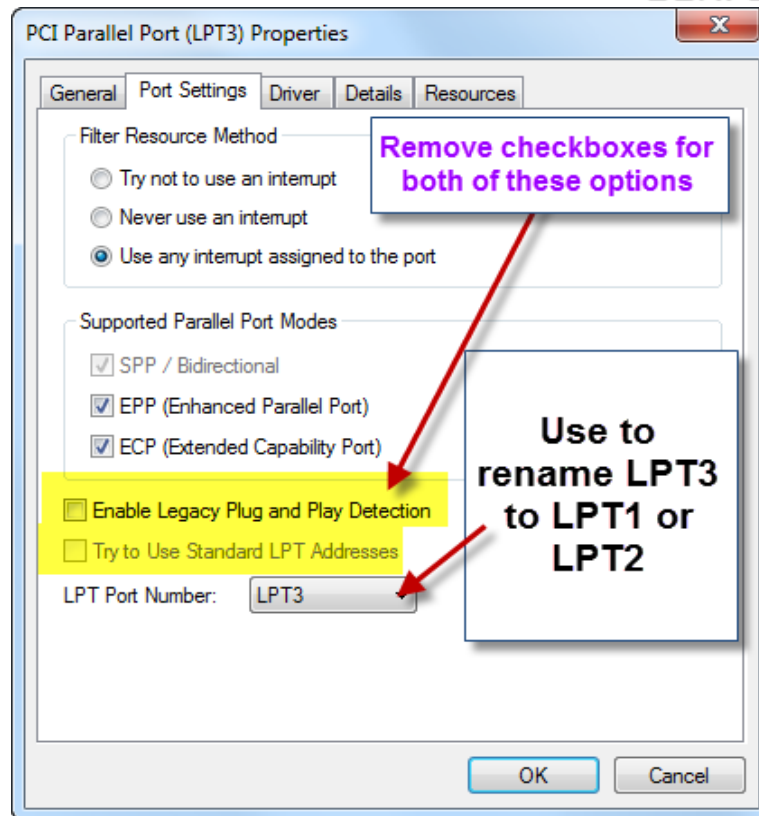


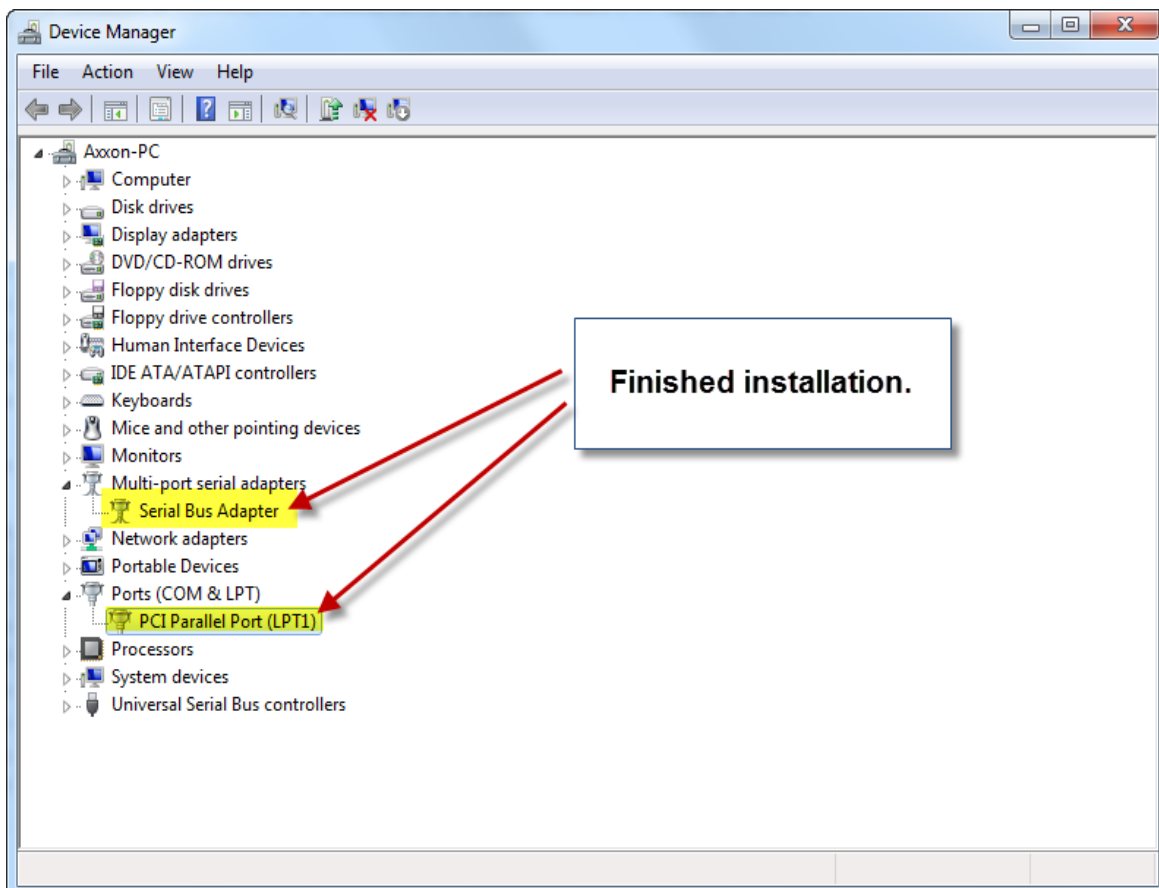
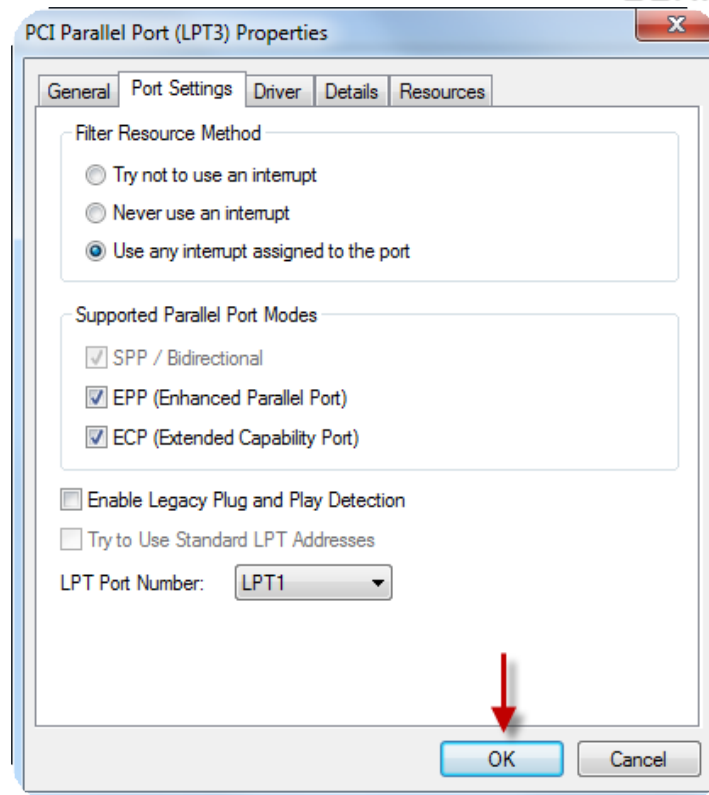


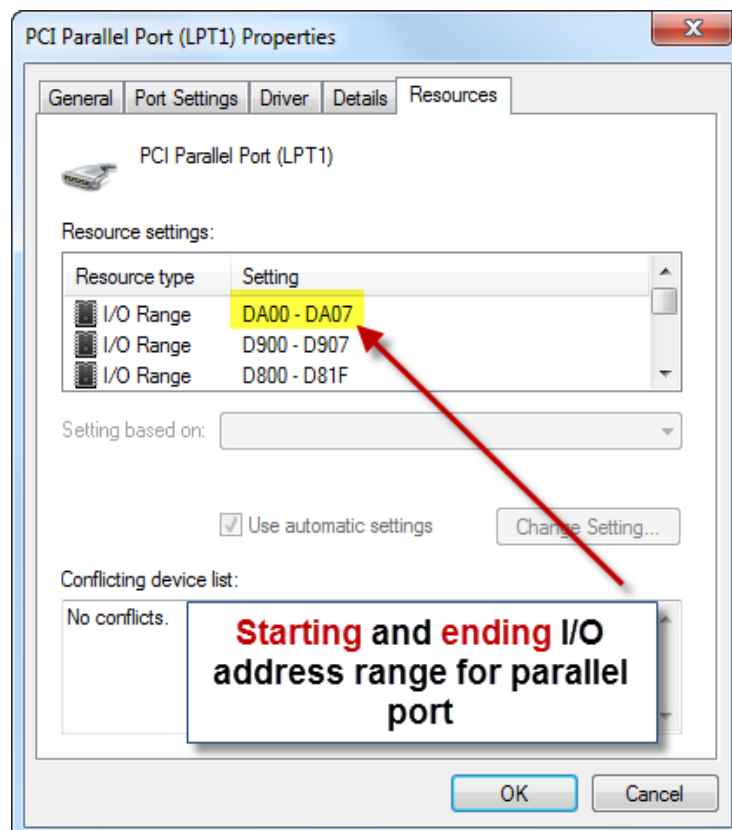
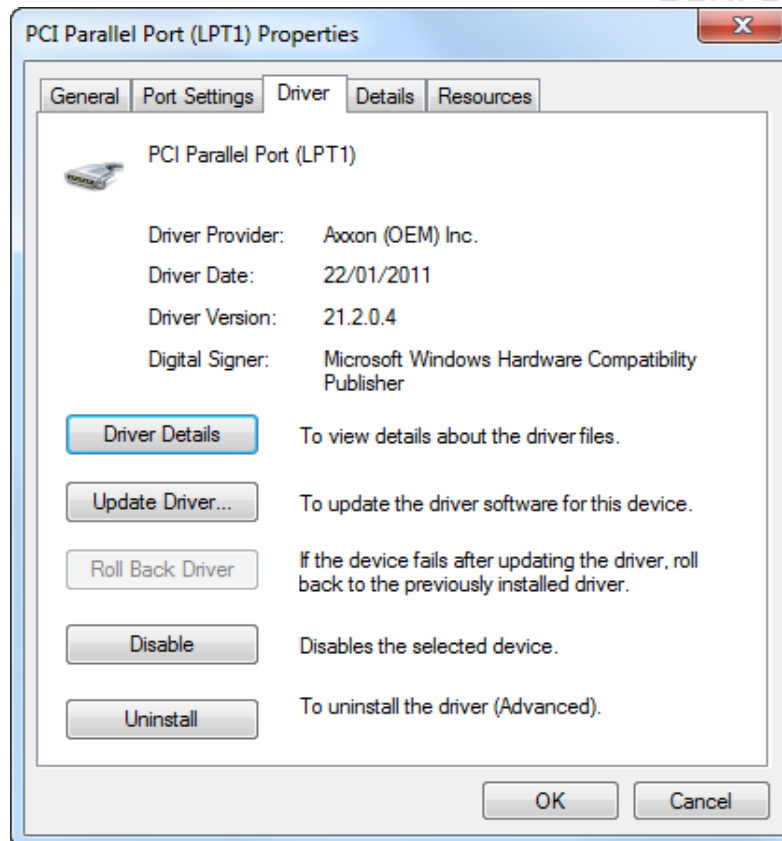


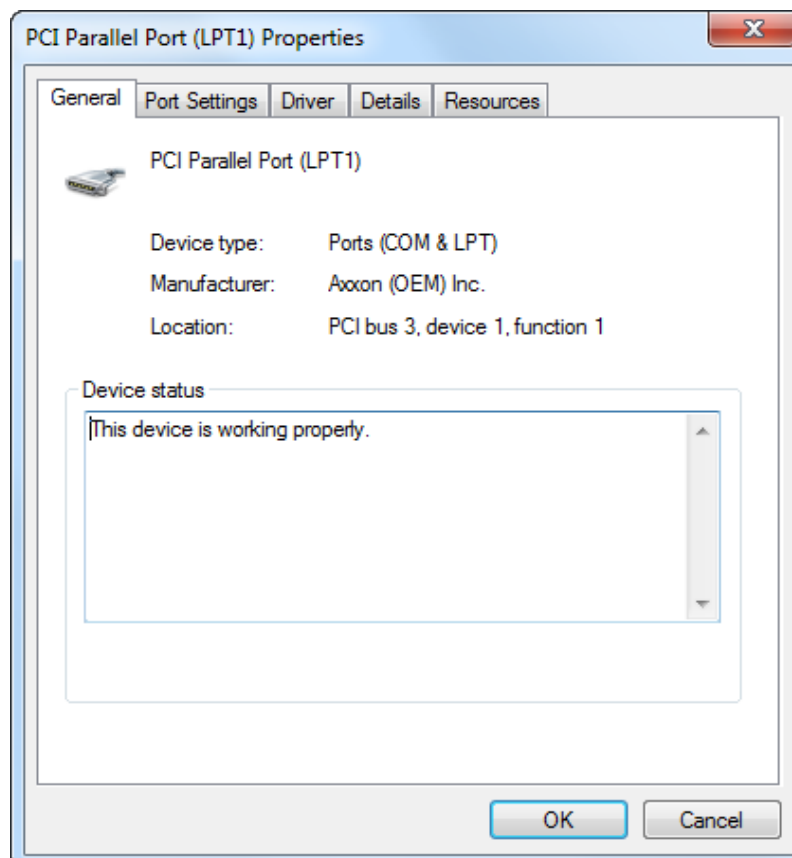
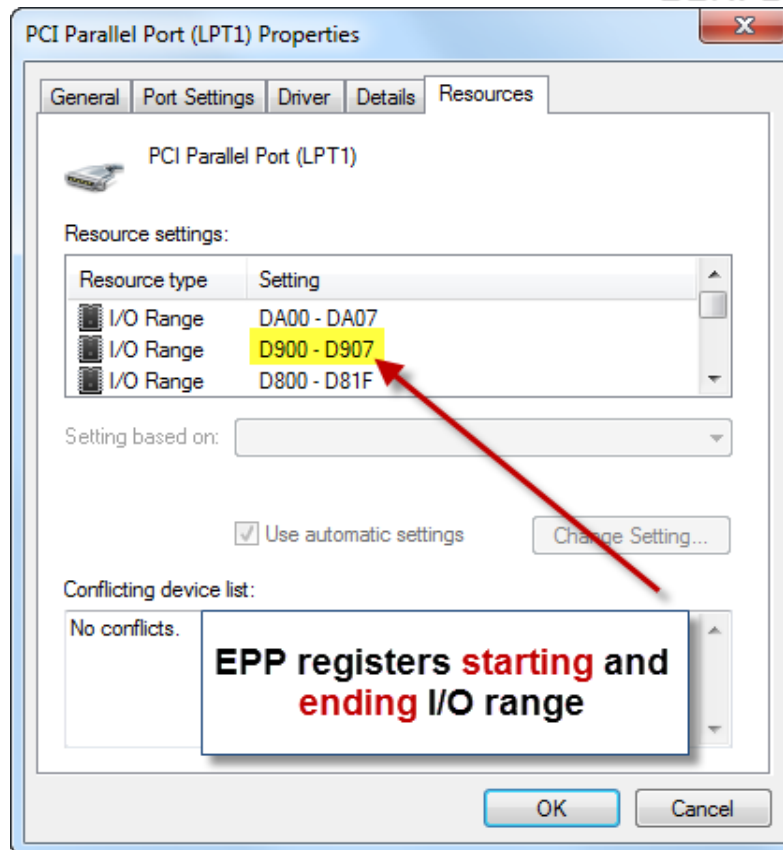












DOS Installation

The LF616KB Rev B design is supported in DOS. Please contact our technical support staff for the DOS compatible software.

SCO 5.07 / SCO 6.0 Installation

The LF616KB Rev B design is supported on at least the SCO Unix 5.07 and 6.0 operating systems. Special firmware is required to be applied to the adapter for this compatibility. Please contact our technical support staff for access to this software.

Linux / VMWARE Installation

The LF616KB Rev B design is Plug & Play compatible for use with the Linux operating system (2.4.18+ kernels). To use, power down your system and remove power to the computer chassis. Remove your computer cover and locate a free PCI or PCI-X expansion slot (NOT for use with PCI Express slots !!). Fasten the bracket to the computer case as recommended by your computer user manual. Boot normally into Linux and view the installation results as follows:

Enter terminal

#grep DMESG | parport <ENTER> ; will display all detected parallel ports in your system

This adapter is Plug & Play supported by VMWARE.

VMware ESX 4.1 and vCenter Server 4.1 Edition

[vSphere Web Access Administrator's Guide](#) : Adding Hardware to a Virtual Machine : Add Hardware to a Virtual Machine : Adding a Parallel Port : Add a Physical Parallel Port

Add a Physical Parallel Port

To use an external device connected to a physical parallel port in a virtual machine, you can add a virtual parallel port to a virtual machine.

Procedure

- 1 In the Inventory panel, select the virtual machine to modify.
- 2 In the Commands section of the **Summary** tab, click **Add Hardware**.

The Add Hardware wizard opens.

- 3 Click **Parallel Port**.

- 4 Click **Use a physical parallel port** to connect to a physical port on the host machine.

- 5 On the Properties page, select a physical port from the drop-down menu.

- 6 (Optional) To connect this virtual machine to the host's serial port when the virtual machine is powered on, select **Connect at power on** (the default) and click **Next**.

- 7 On the Ready to Complete page, review the configuration summary and click **Finish**.

The operating system detects the new parallel port the next time you power on the virtual machine.

We welcome any questions you may have on this or other I/O card needs.

All questions, technical or otherwise may be directed to support@softio.com.

Axxon Computer Corporation

3979 Tecumseh Road East

Windsor, Ontario N8W 1J5

Canada

Voice: 01.519.974.0163 (M-F 10 AM to 6 PM EST)

Voice: 1.800.361.1913 (Toll-free US/Canada)

support@softio.com

<http://www.softio.com>