



## **FTDI CHIP**

### **Industrial specification**

USB to serial converters from Single chip USB to RS232

USB 2.0 Full Speed ,USB 1.0/1.1 compliant

480 Mbps USB data rate

Transmit and receive LED drive .

Serial Interface 4 Port

15 KV ESD protection for all serial ports

Connector: DB9 Male and MINI USB B type

Cable:USB Type A and MINI USB B Type

.Driver Support

Windows 2000

Windows XP and XP 64-bit

Windows Vista and Vista 64-bit

Windows Server 2003 and 2003 64-bit

Windows Server 2008 and 2008 64-bit

Windows 7 and 7 64-bit

Mac OS-X

Linux 2.4 and greater

## Applications

- .Notebooks and Industrial PCs peripherals devices
- .Terminal Adapters and POS terminals
- .Peripherals interface
- .General-purpose RS-232 data link

## Serial Converter

Mode	Asynchronous serial communication
Speed	Up to 912.6kbps
Connector	DB9 Male*4
Signals	TXD,RXD,RTS,CTS,DTR,DSR,DCD ,RI ,GND
Protection	15KV ESD Protection for all signals
Data Bits	7,8
Stop Bits	1,2
Flow Control	RTS/CTS, X-On/X-Off
Parity	None,Even,Odd,Space,Mark
IRQ/IO Address	Assigned by BIOS
FIFO	TX Buffer 2k bytes, RX Buffer 2k bytes per channel

## Software

Driver Support	Windows 98, 98SE, ME, 2000, Server 2003, XP ,Server 2008, XP 64-bit Windows Vista, Vista 64-bit, Server 2008 R2,Windows 7,Windows 7 X64 Mac OS-X Linux 2.4 and greater
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## Hardware

Power Input	MINI USB B type connector
Power Consumption	165mA max
LED	TXD1,RXD1,TXD2,RXD2,TXD3,RXD3,TXD4,RXD4
Dimensions	63.5(W)x22.5(H)80.5(D)mm
Weight	85g

#### Connector DB9 Male 9PIN Define

NO	DM9 Male
1	DCD
2	RXD
3	TXD
4	DTR
5	GND
6	DSR
7	RTS
8	CTS
9	RI

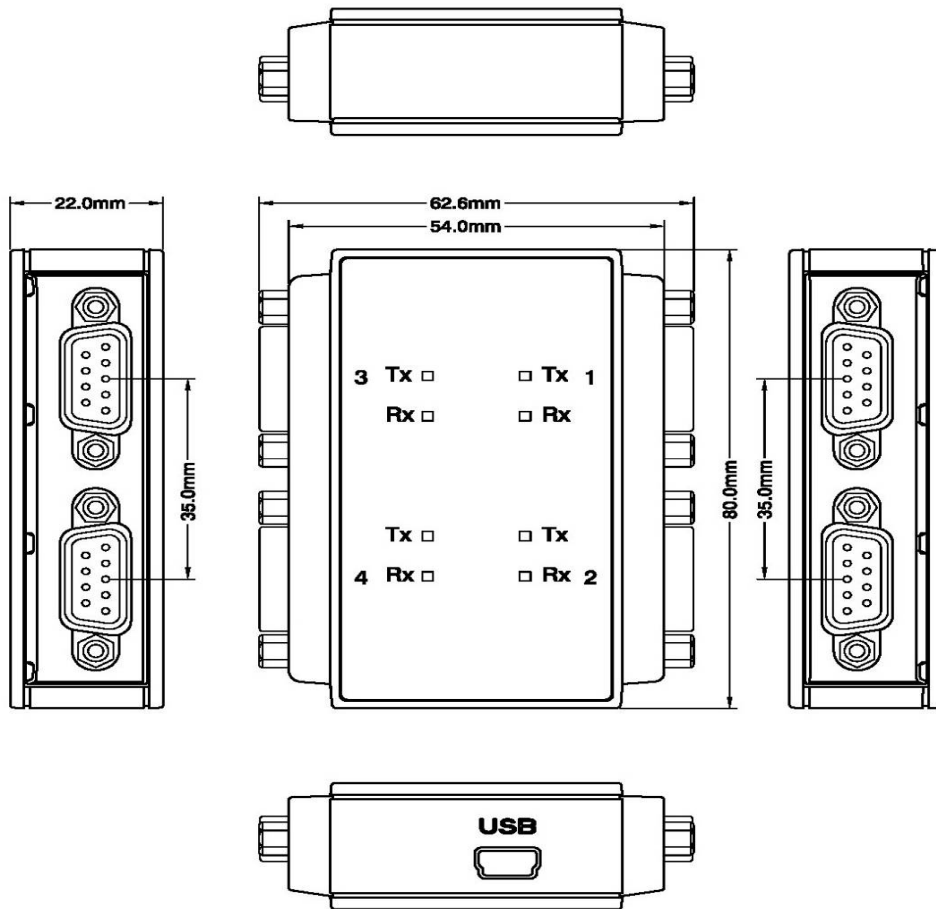
#### Environmental

Operating Temp	-30~75℃
Storage Temp	-40~85℃
Humidity	5~95% Non-Condensing
Case	PC

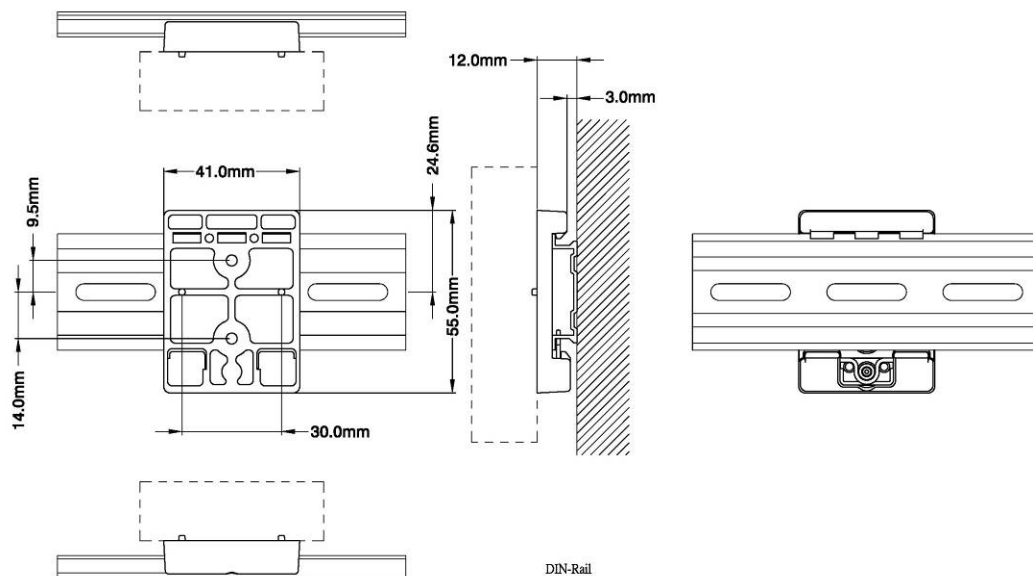
#### Approvals

CE ,FCC RoHs Compliant

## Dimension



## DIN rail Dimension



Ordering Information

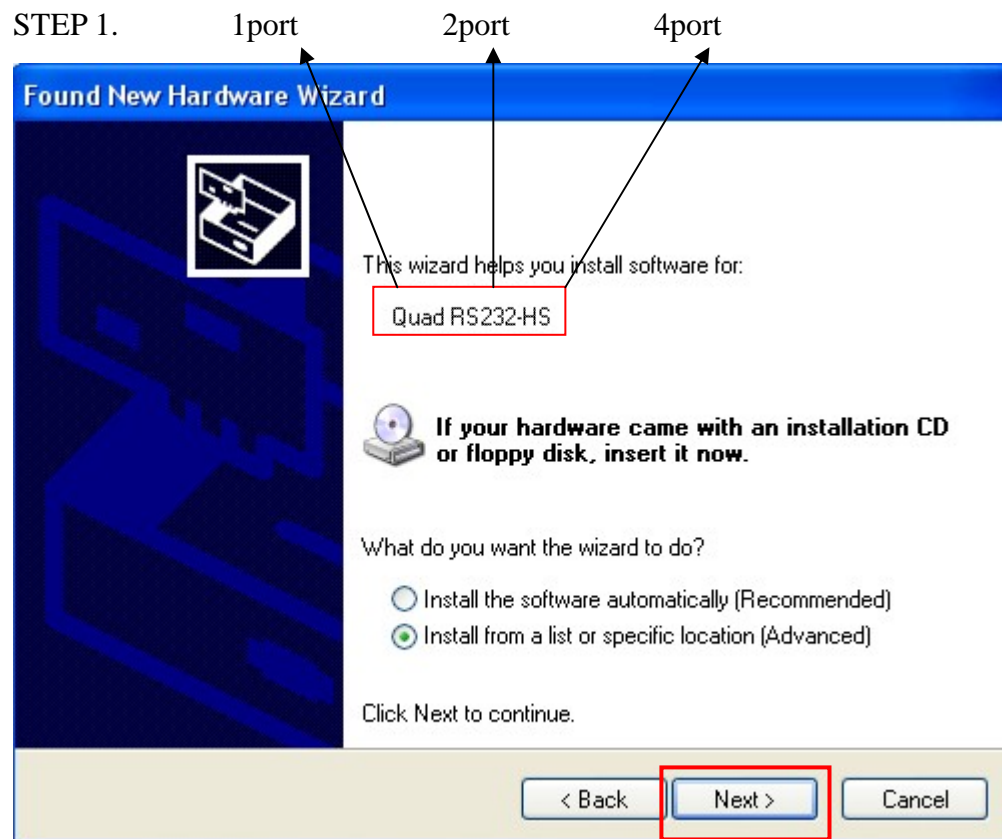
Available Models

US-104 : USB to 4 port RS232

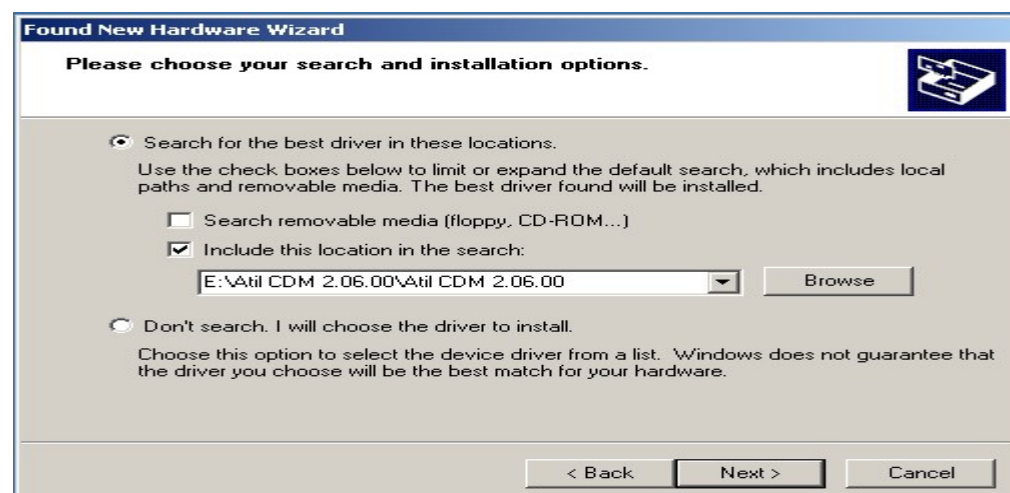
US-104-D : USB to 4 port RS232 and DIN rail

## Driver installation guide for windows XP

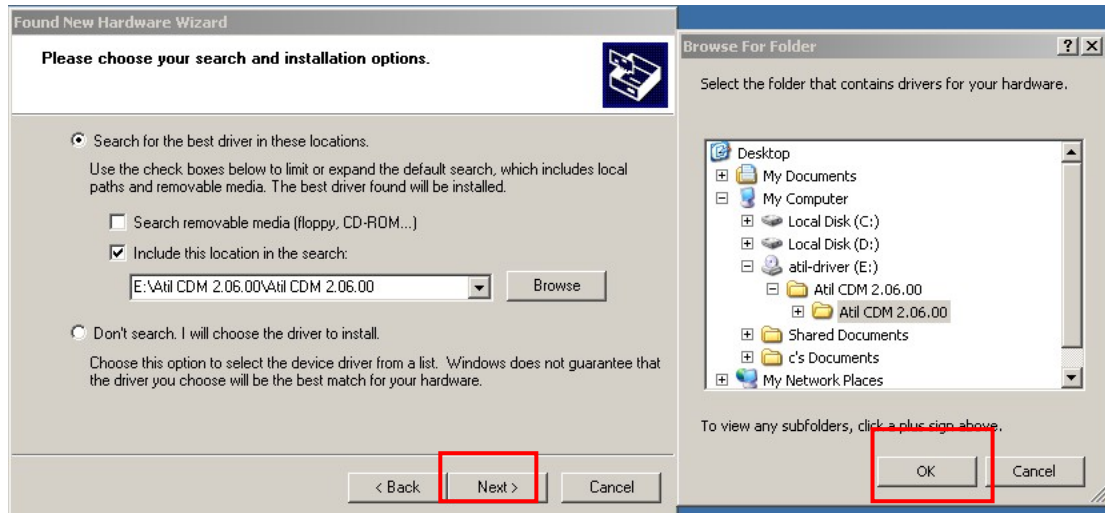
STEP 1.



STEP 2.



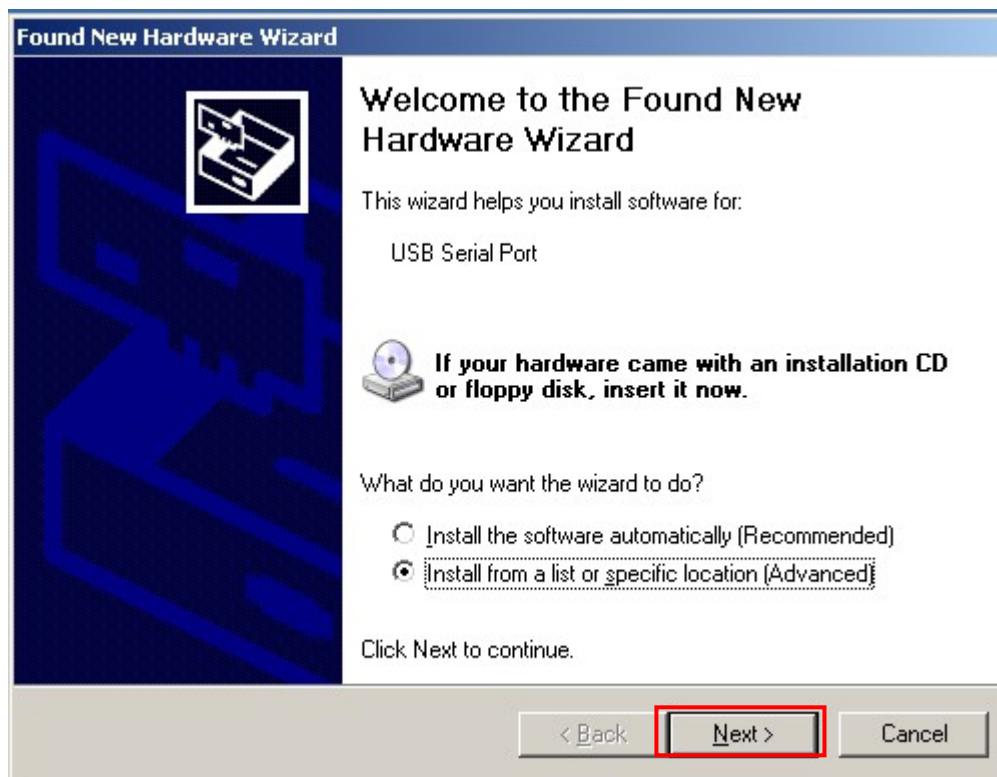
### STEP 3.



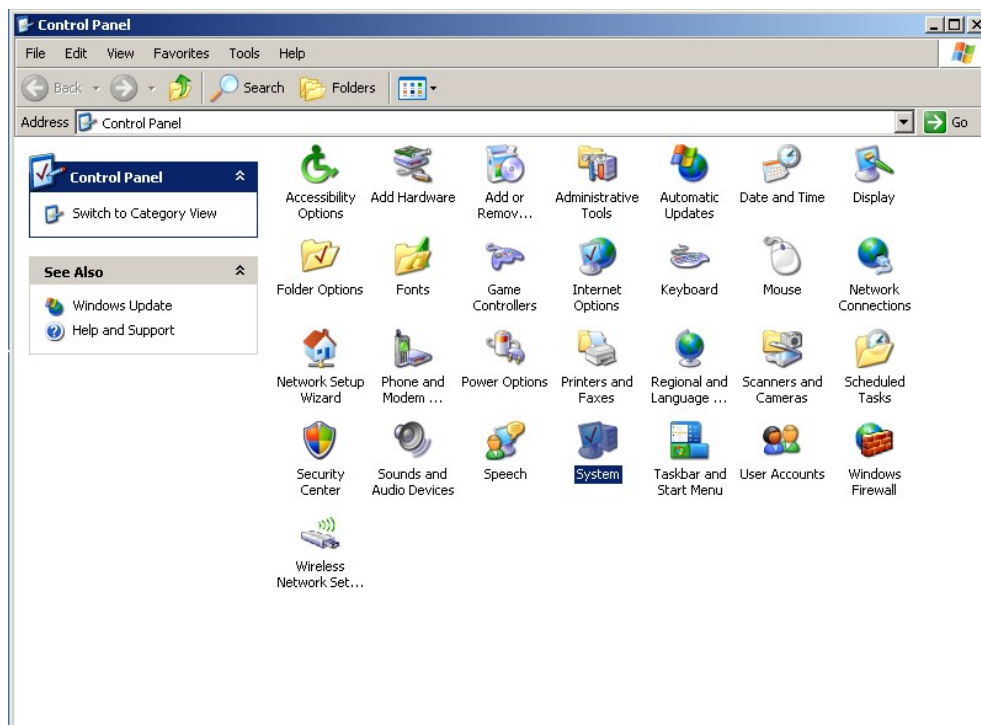
### STEP 4.



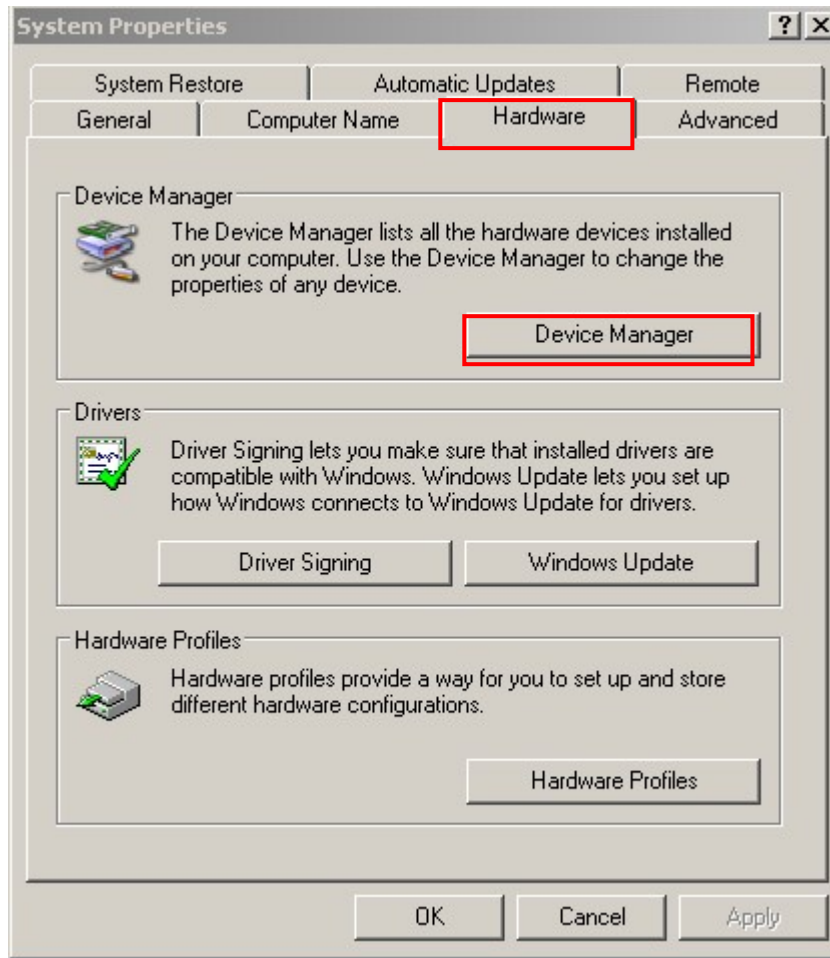
SETP 5.



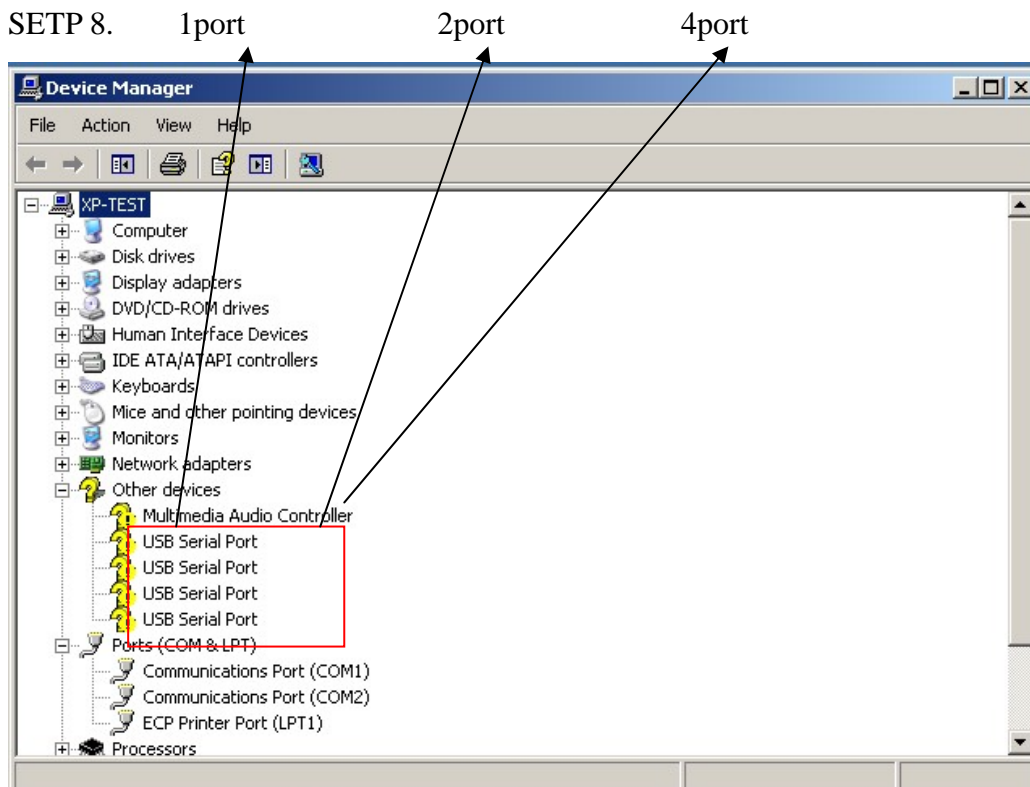
SETP 6.



SETP 7.

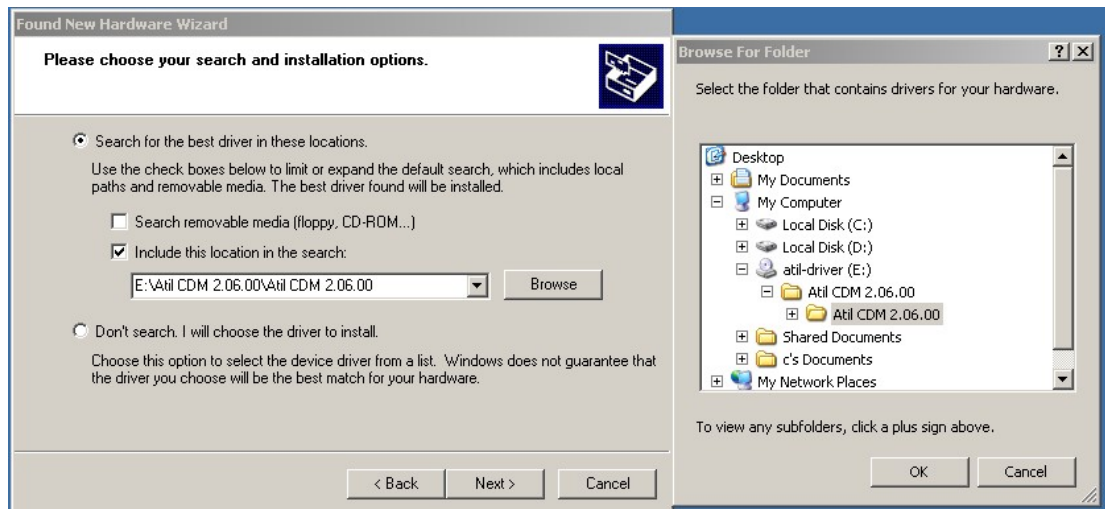


SETP 8.

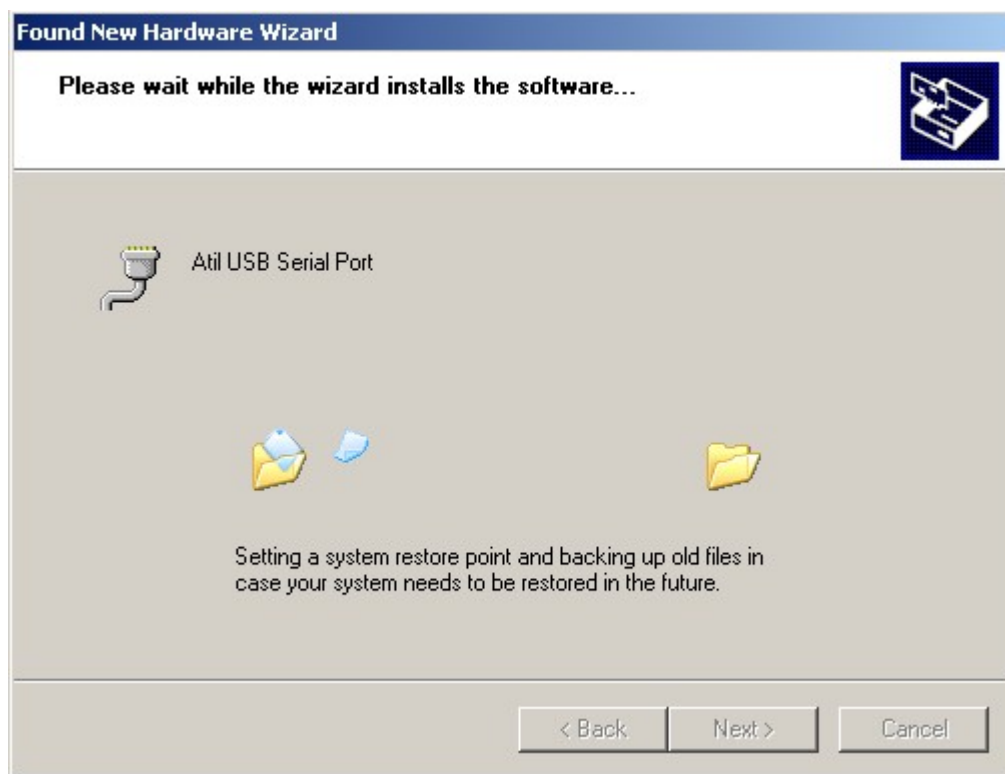
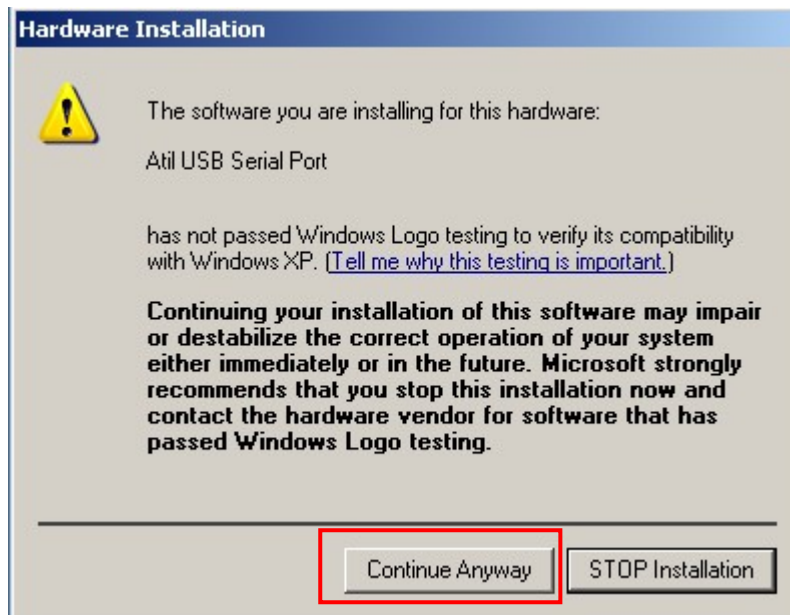




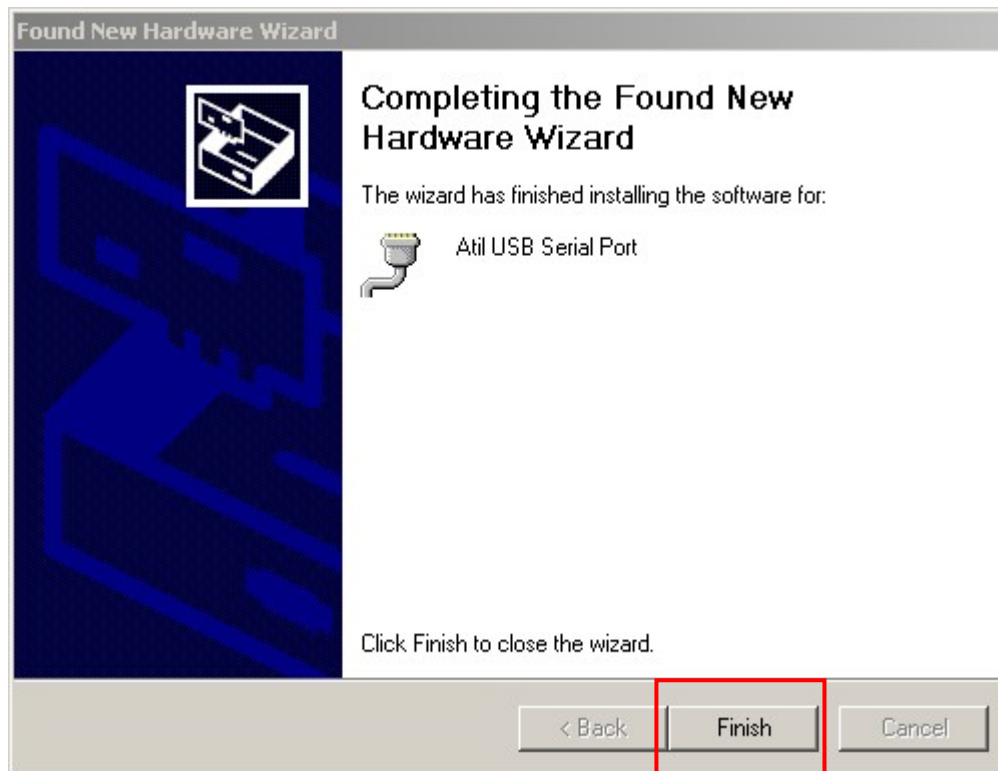
## STEP 9.



STEP 10..



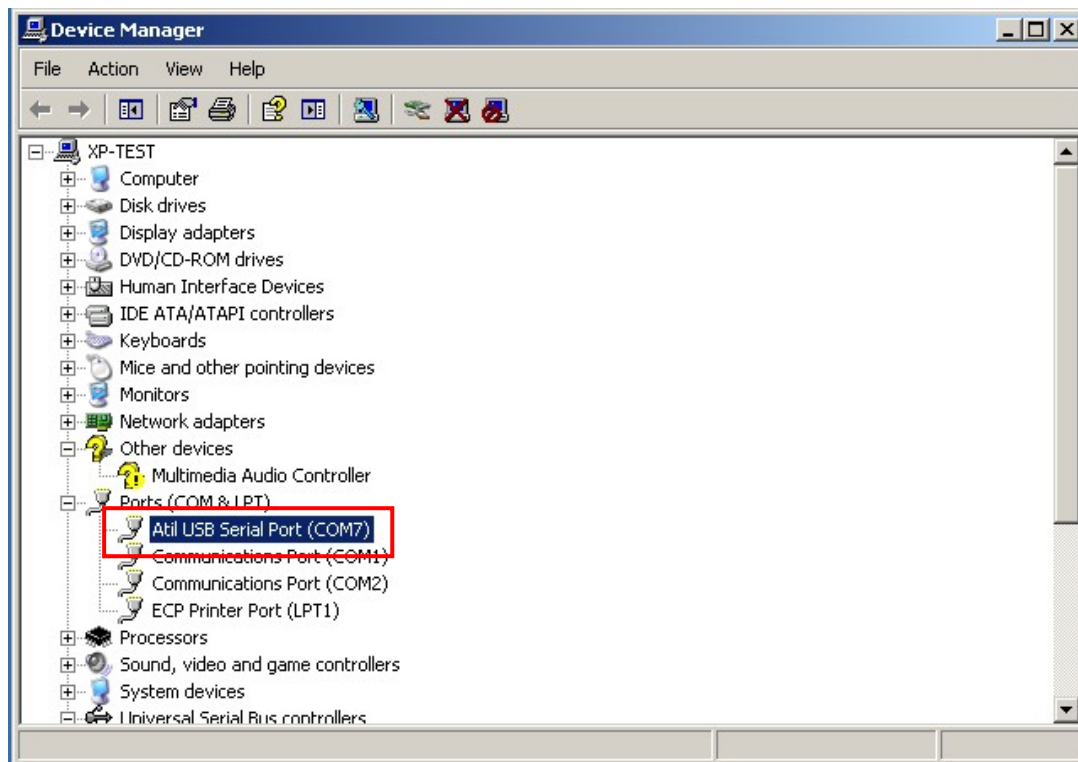
STEP 11.



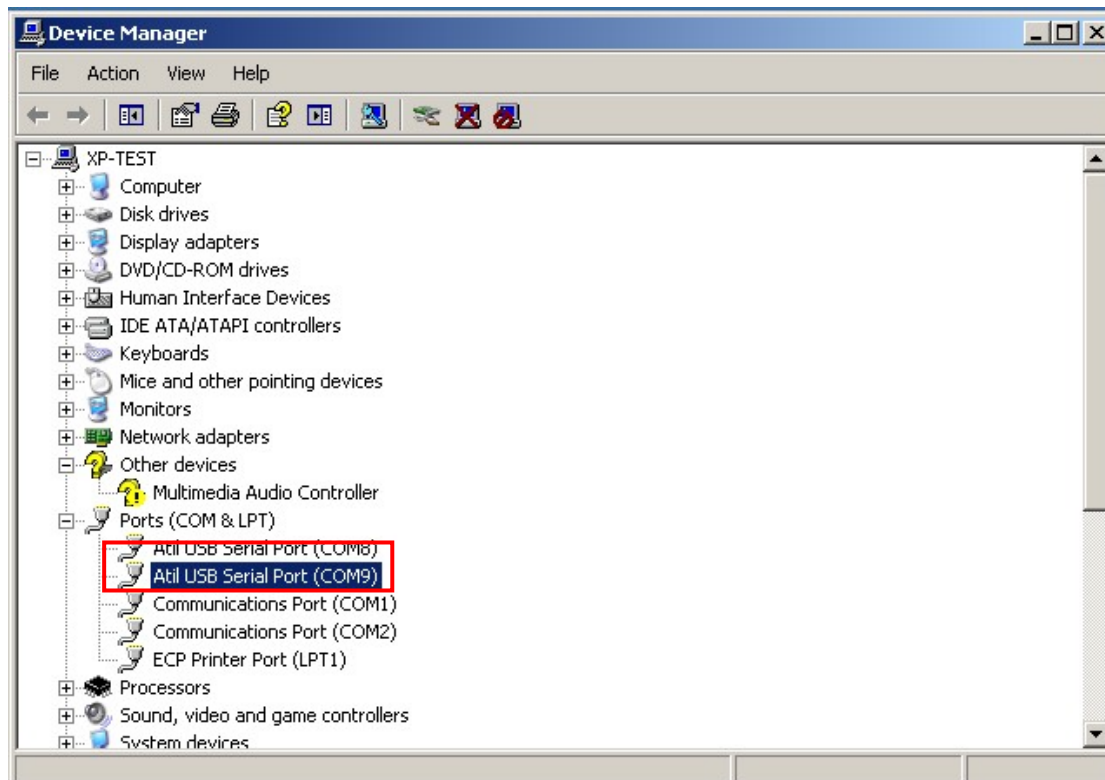
2port Loop STEP 9~11    two next

4port Loop STEP 9~11    four next

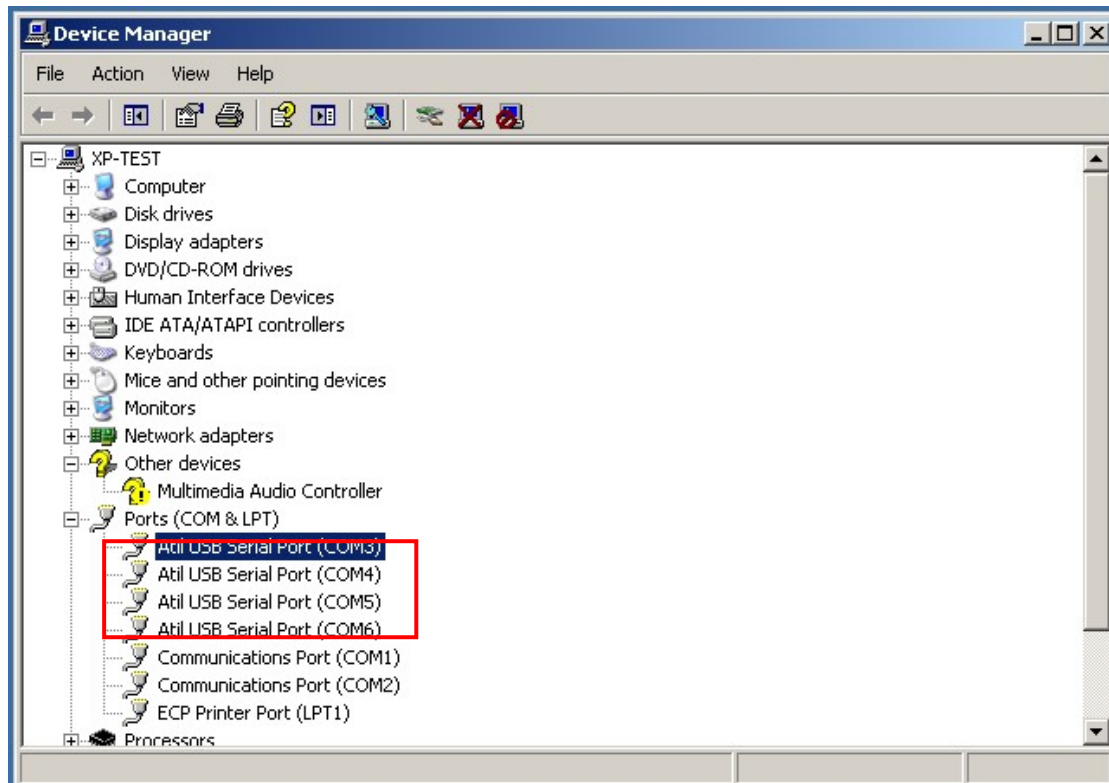
USB to 1port RS232/422/485



USB to 2port RS232

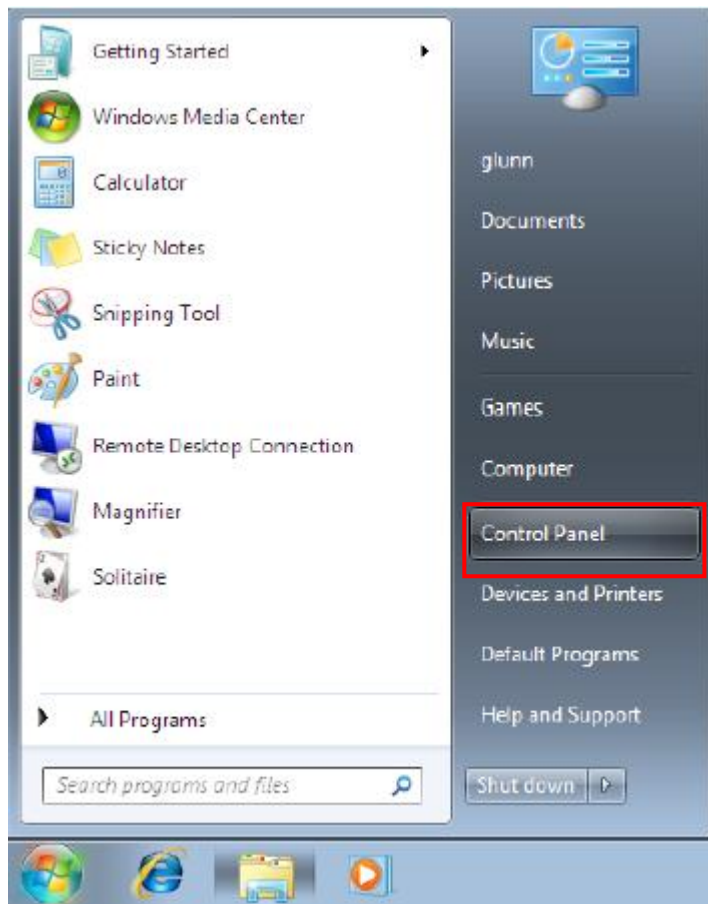


USB to 4port RS232

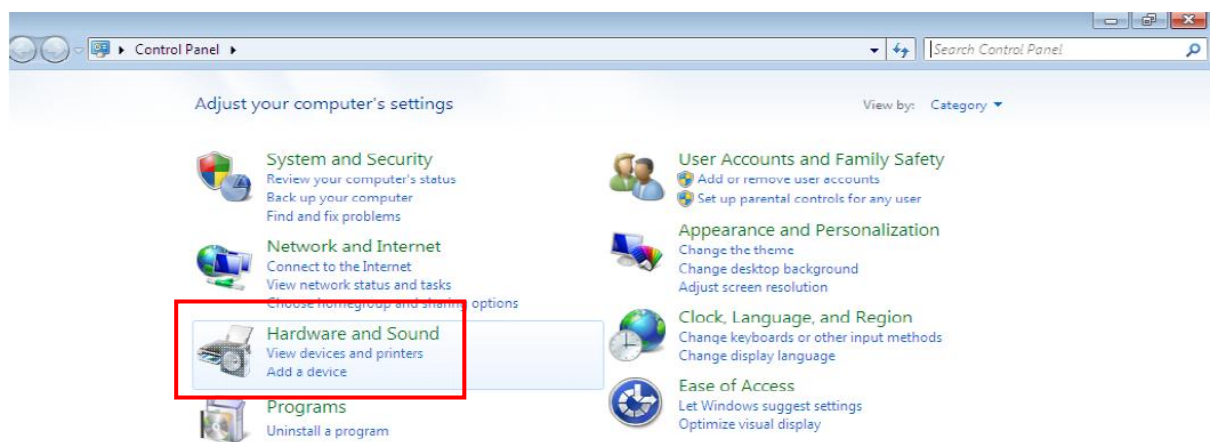


# Driver installation guide for windows 7

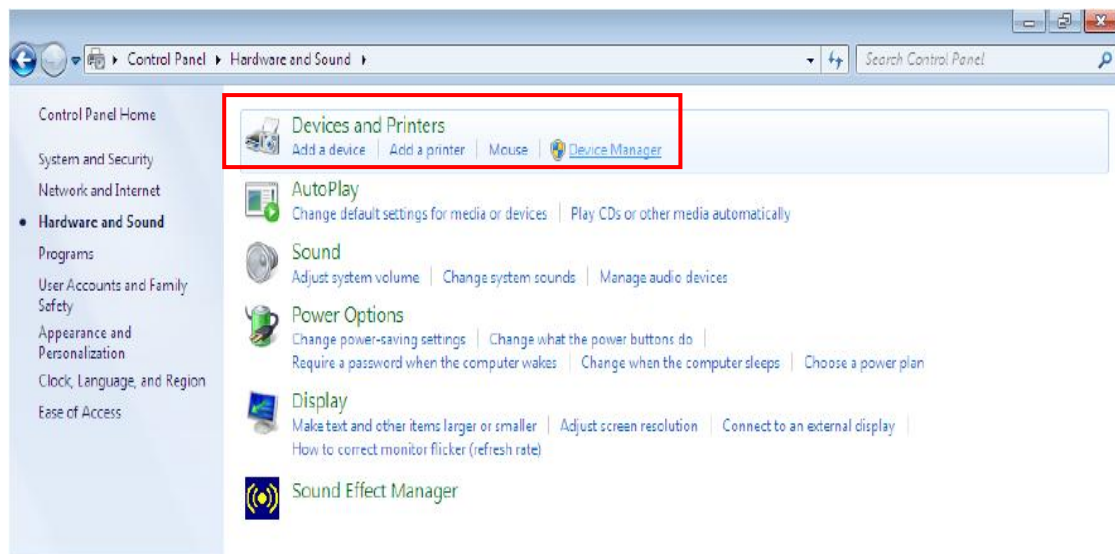
## Step 1



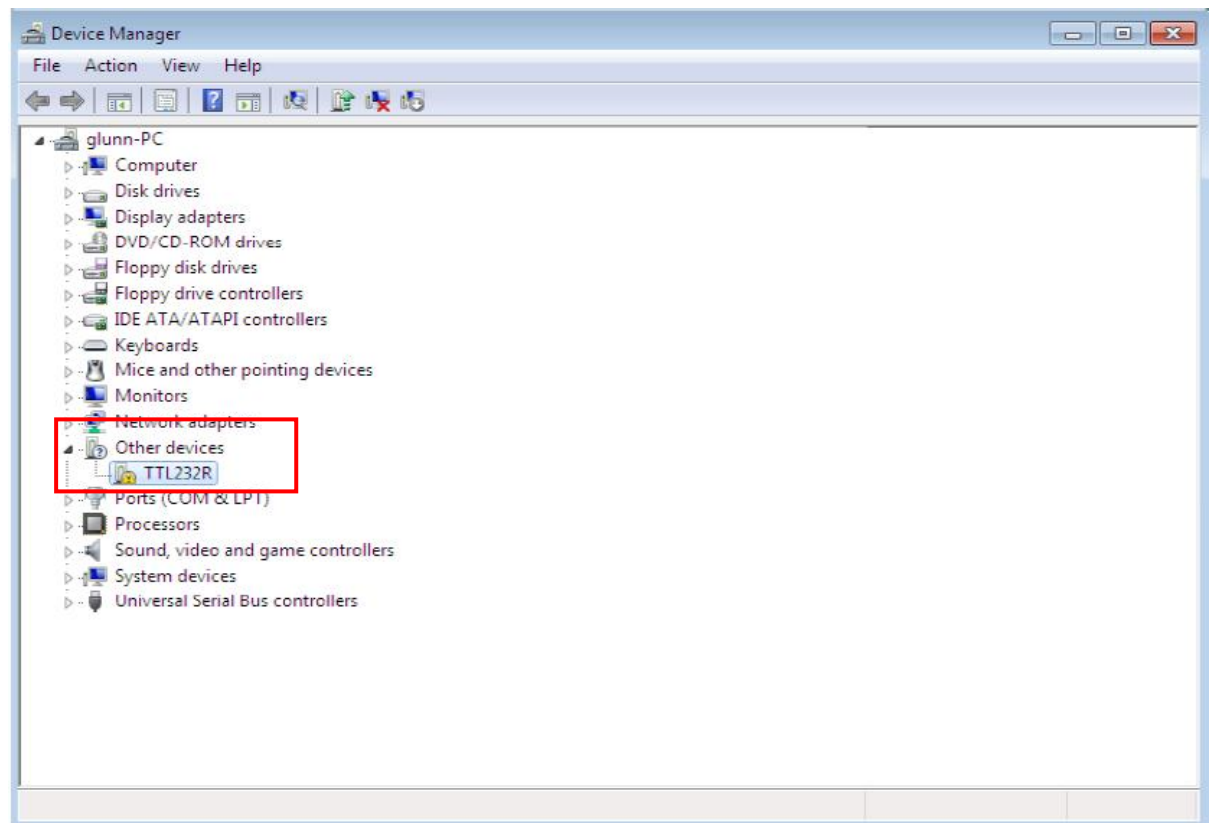
## Step2 Hardware and Sound



### Step3 Devices and Printers

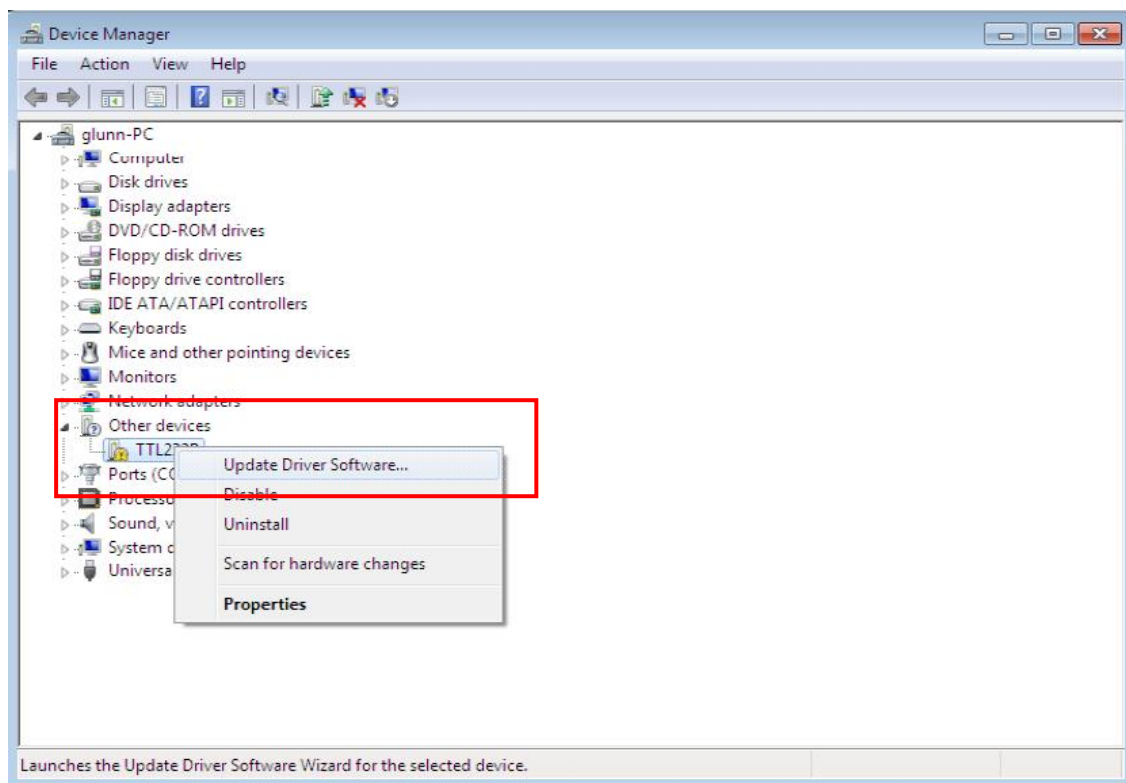


### Step 4 Other device

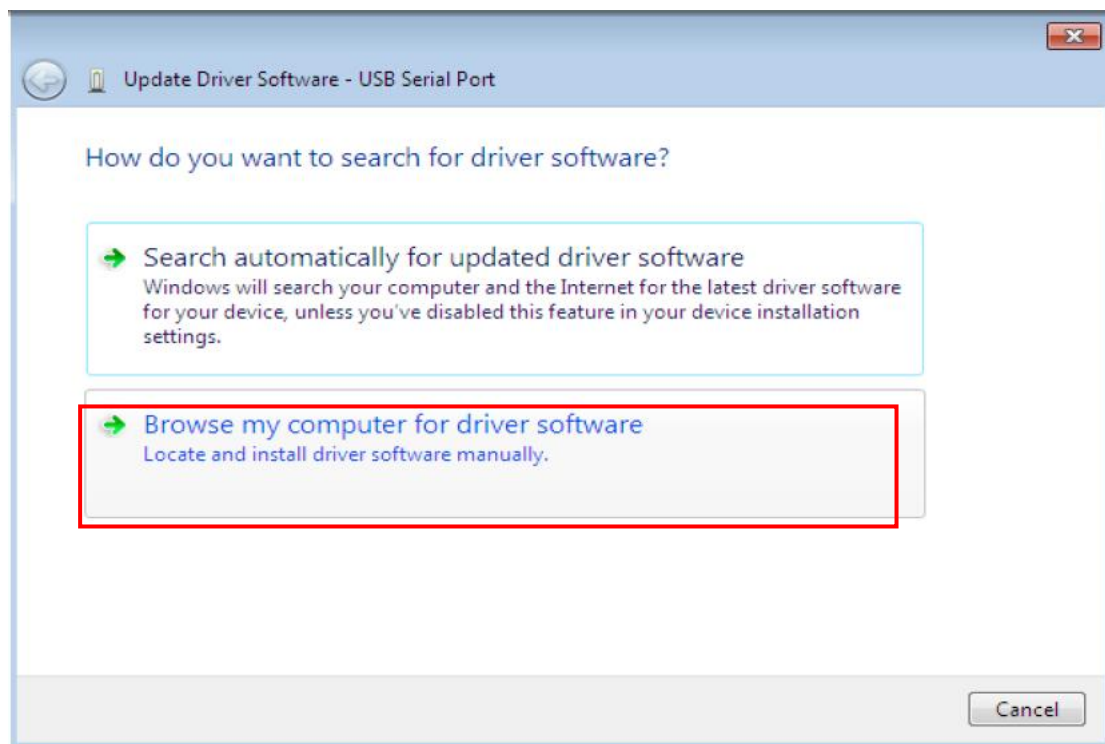




## Step 5 Update Driver Software



## Step 6

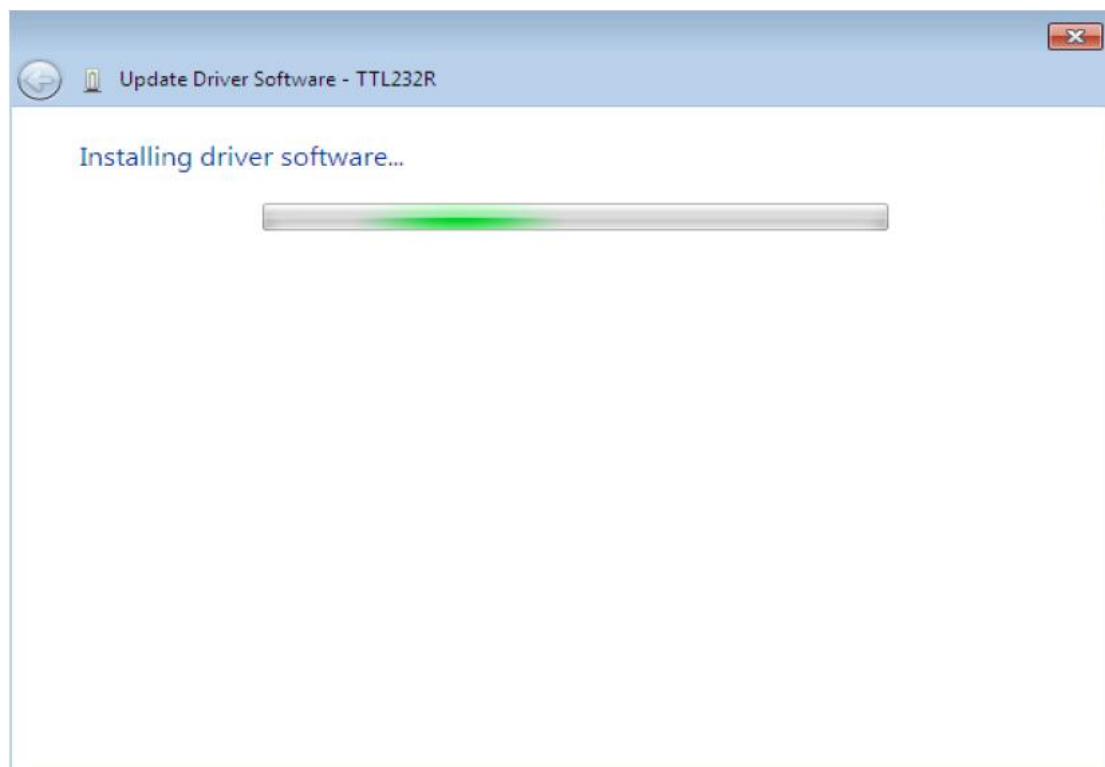




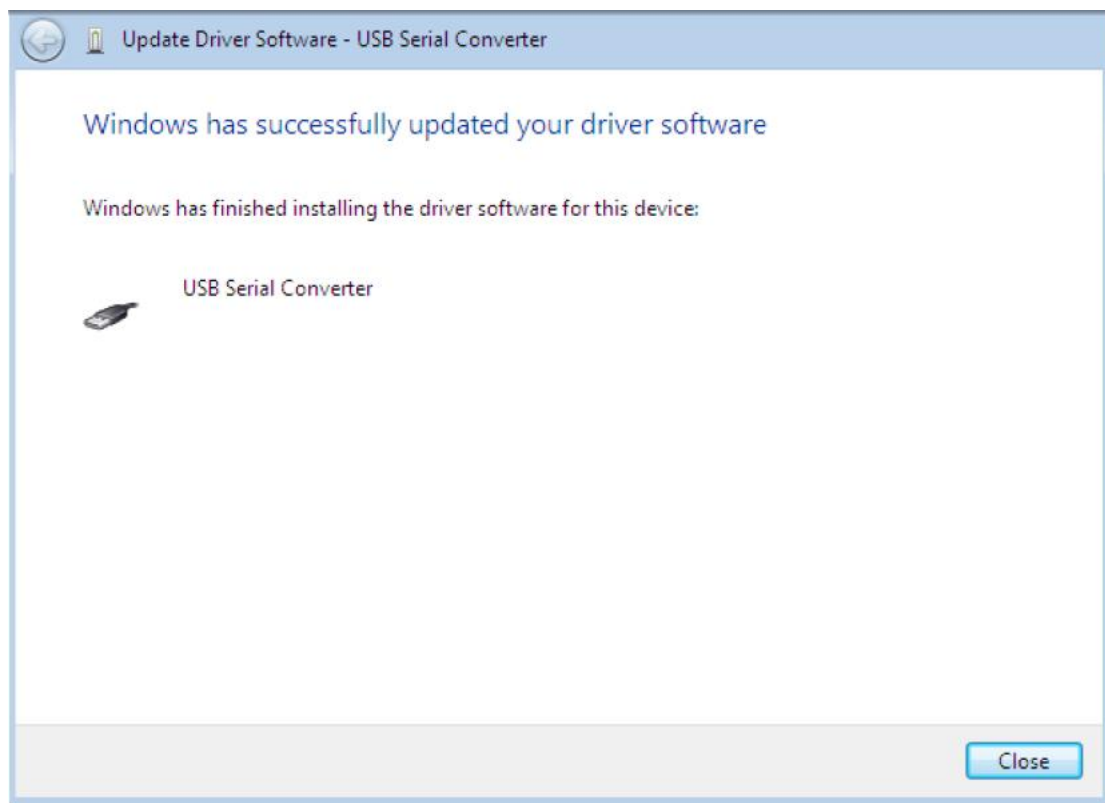
## Step 7



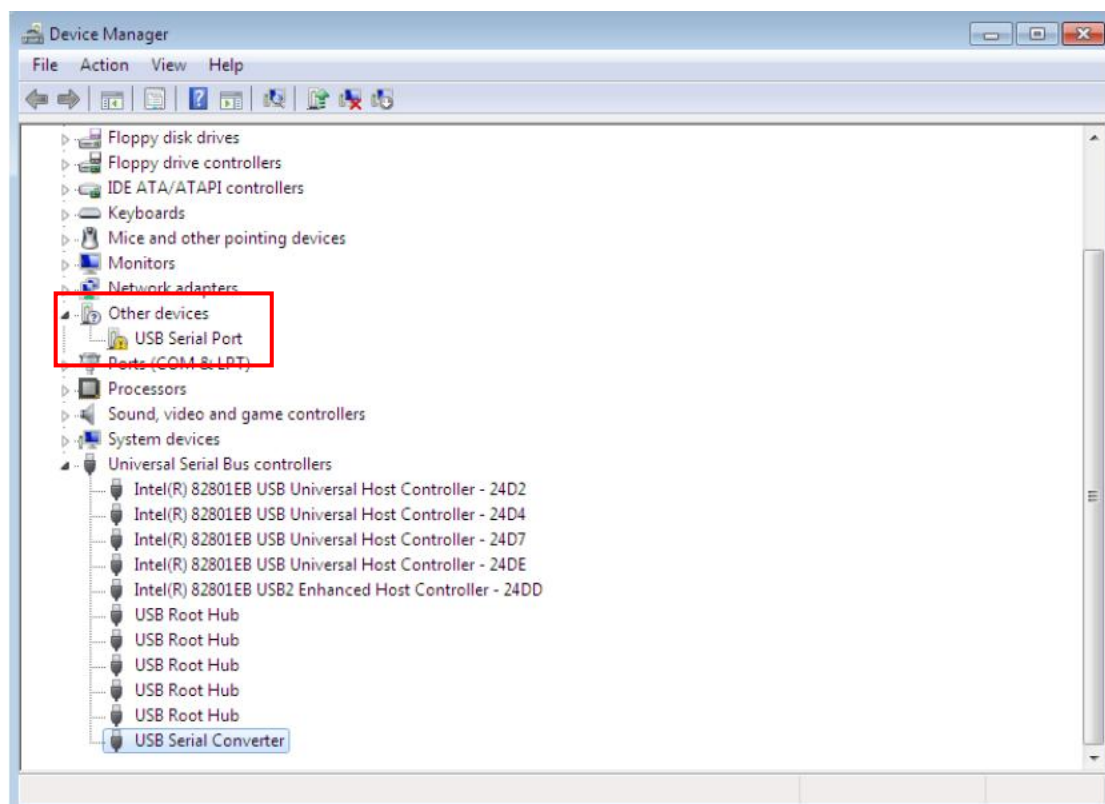
## Step 8



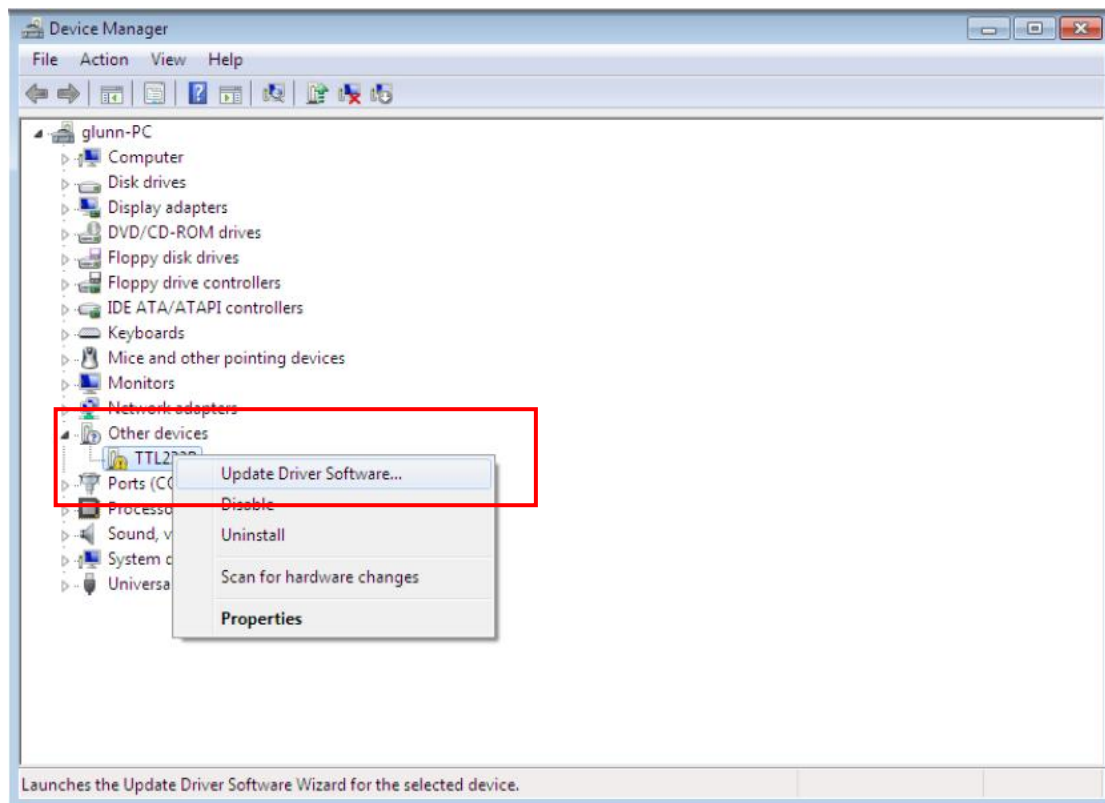
## Step 9



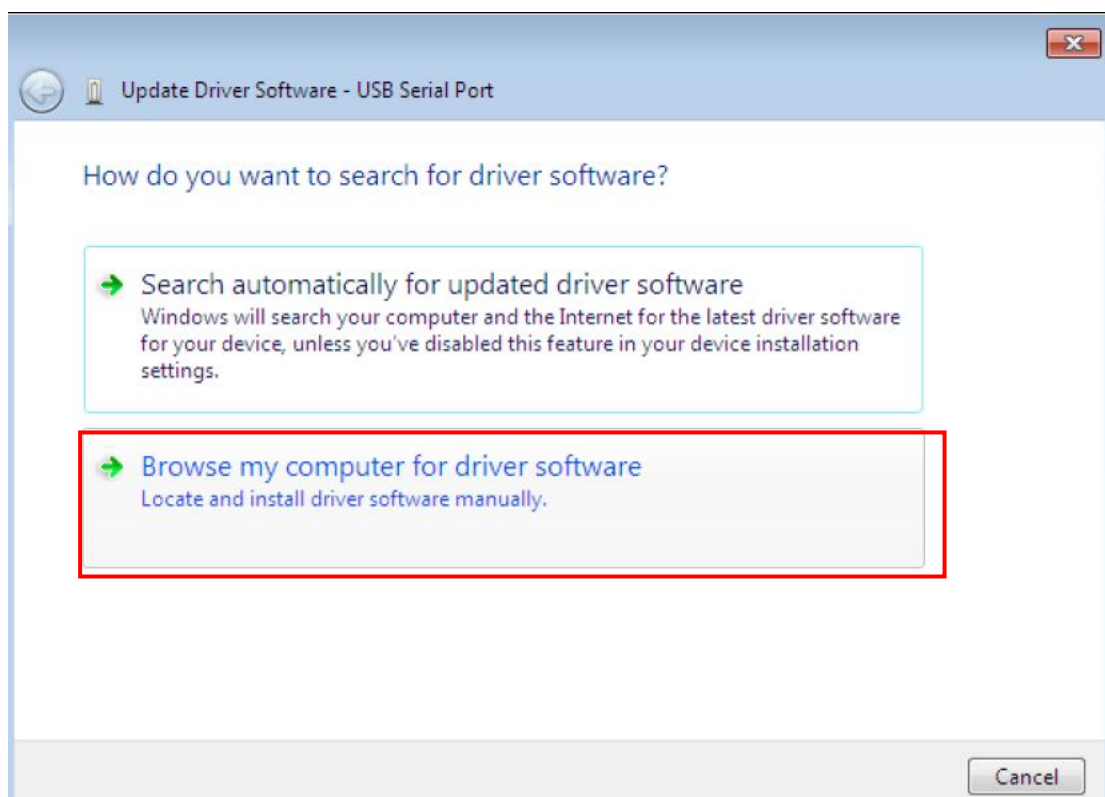
## Step 10 USB Serial Port



## Step 11 Update Driver Software



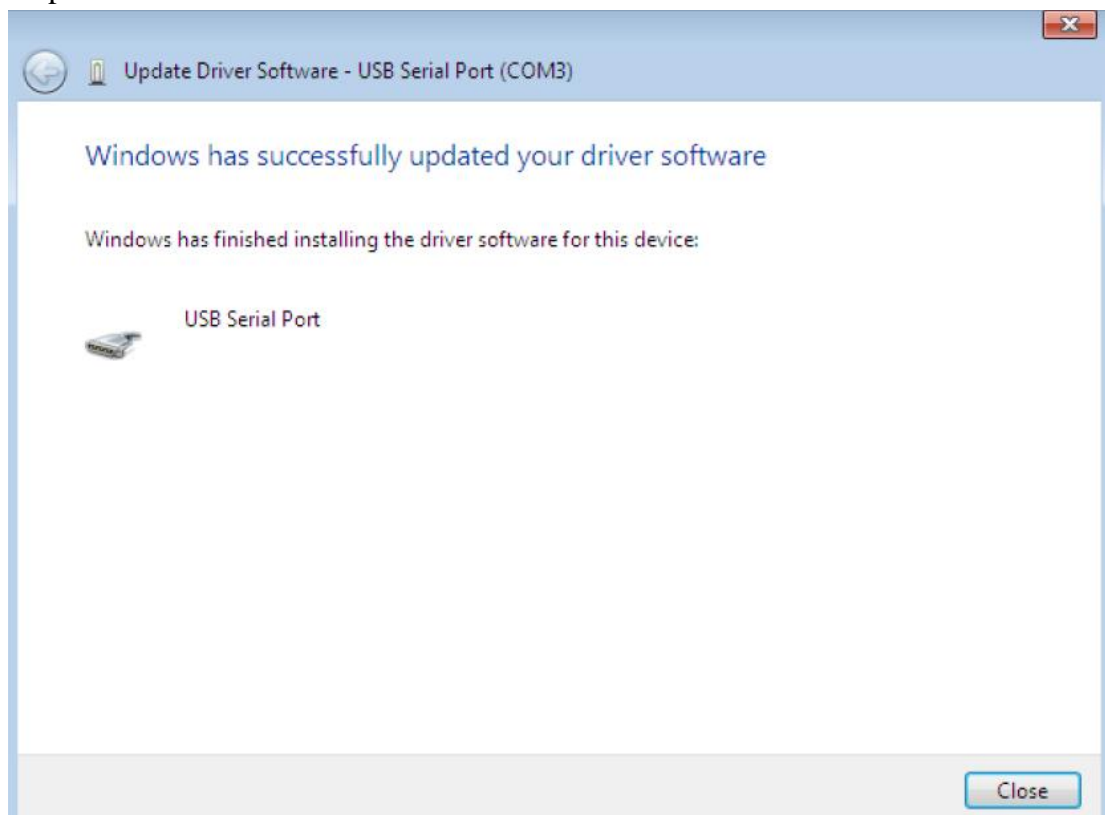
## Step 12



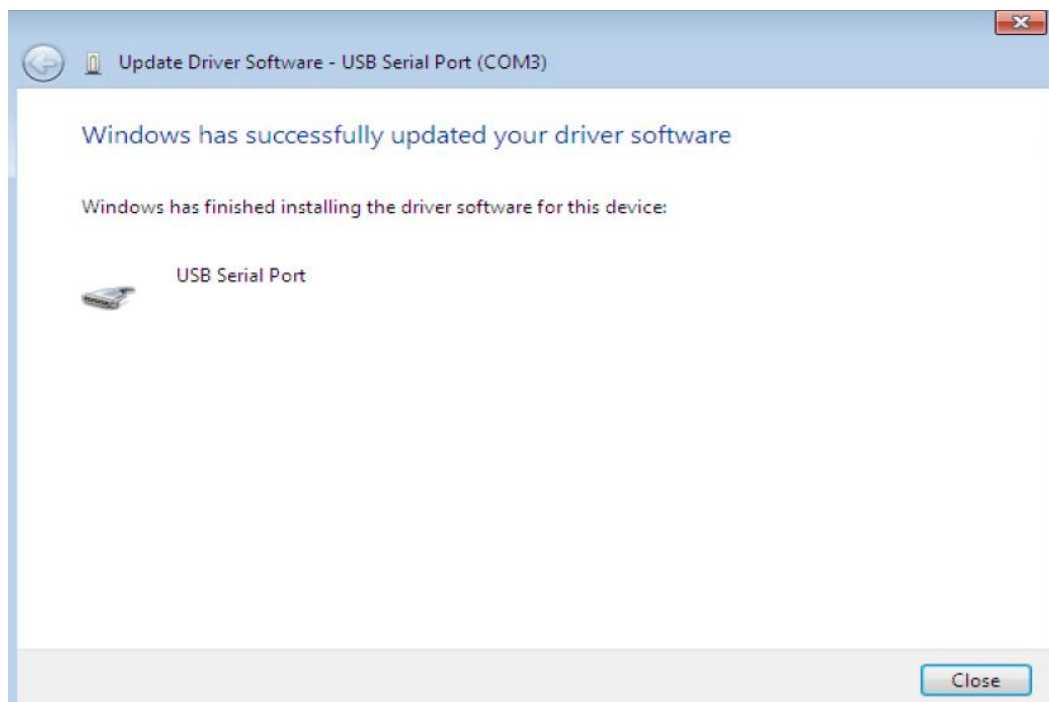
### Step 13



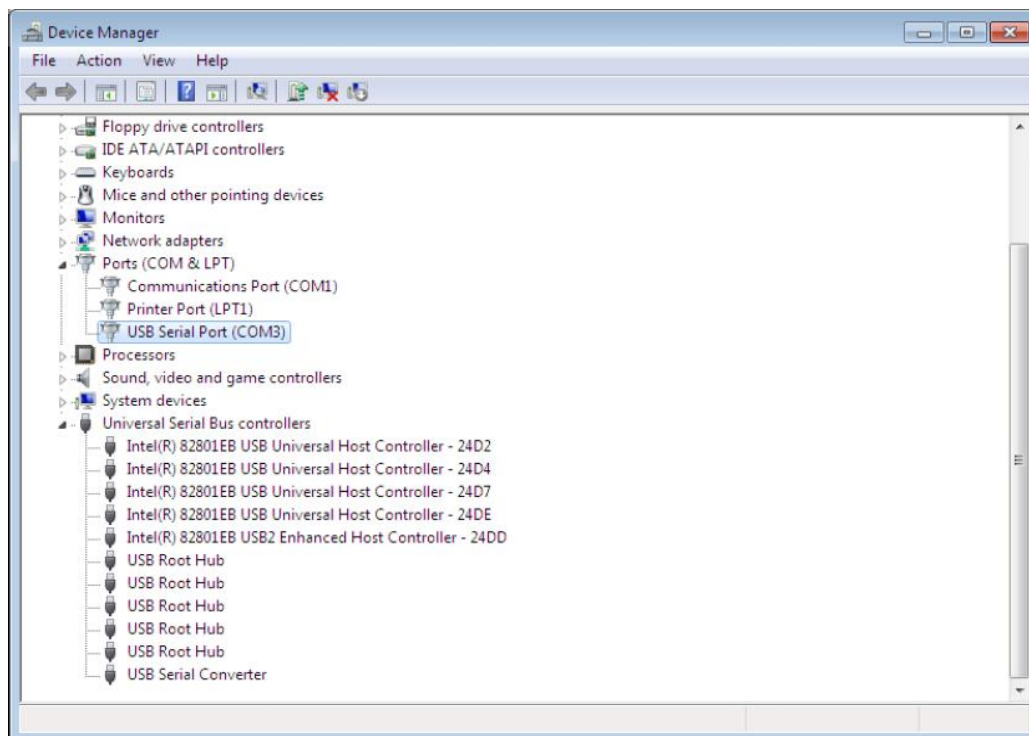
### Step 14



## Step 15



## Step 16



US-102 2port Loop STEP 5~16 two next

US-104 4port Loop STEP 5~16 four next

USB to 1port RS232/422/485