### 3.1 I-7560 Pin Assignment and Specifications:

### Introduction

The **I-7560** adds a Windows serial Com port via its USB connection and is compatible with new & legacy RS-232 devices. USB Plug and Play allows easy serial port expansion and requires no IRQ, DMA, or I/O port resources.

RS-232 Connector

**I-7560** features a full set of RS-232 modem data and control signals (TxD, RxD, RTS, CTS, DSR, DTR, DCD, RI, and GND) on its PC compatible DB9 male connector. It also features a high-speed 115.2 Kb/s transmission rate. So you can download program to I-8000 series, and supports various O.S. No external power supply is required as **I-7560** takes its power from the USB bus.

**I-7560** comes complete with drivers for Microsoft Windows '98, Windows ME, Windows 2000 and Windows XP. Drivers are also available for Linux.

# **Specifications**

- Compatibility: USB 1.1 standard.
- Input port: USB
- Output port: 9-wire RS-232
- Cable: USB type A connector (Type A to Type B cable provided).
- RS-232 Signals: TxD, RxD, RTS, CTS, DSR, DTR, DCD, RI, and GND
- Power consumption: 1.5 W max.
- Operating temperature: -25°C to +75°C
- Storage temperature: -25°C to +80°C
- Humidity: 5~ 95%
- Driver Supported: Windows 98/ME/2000/XP, Linux

# 3.1.1 The I-7560 System Network Configuration:



#### 3.1.2 Block Diagram:



### 3.1.3 I-7560 Driver Installation

### Installing the Device

This section will guide you on how to install the I-7560 USB to RS-232 converter under Windows XP, Windows 2000, Windows ME, and Windows 98 operating systems. (No support for WinNT). Download driver files from

1. Package CD, \Napdos\7000\756x\7560

2. <u>ftp://ftp.icpdas.com/pub/cd/8000cd/napdos/7000/756x/7560</u>

The following steps will show how to install the device under Windows 2000. Basically, the procedures are also somewhat the same for other Windows operating systems.

- 1. Power on your computer and boot to Windows.
- 2. Locate the USB port of your computer and plug in the I-7560.
- 3. Windows will detect the new device and will initiate the Found New Hardware Wizard prompting you to install the software for the detected USB Device. Select to install from a list or specific location. Click Next to continue.



4. An "Install Hardware Device Drivers" window is shown. Click "Next" to initiate a search for a suitable driver for your device.

Upgrade Device Driver Wizard				
Install Hardware Device Drivers A device driver is a software program that enables a hardware device to work with an operating system.				
This wizard upgrades drivers for the following hardware device:				
USB Device				
Upgrading to a newer version of a device driver may add functionality to or improve the performance of this device.				
What do you want the wizard to do?				
Search for a suitable driver for my device (recommended)				
Display a list of the known drivers for this device so that I can choose a specific driver				
< Back Next > Cancel				

5. Select the "Specify a location" optional search locations. If the "CD-ROM drives" checkbox is selected, please insert the driver CD. Click "Next" to start the search.

Upgrade Device Driver Wizard					
Locate Driver Files Where do you want Windows to search for driver files?					
Search for driver files for the following hardware device:					
USB Device					
The wizard searches for suitable drivers in its driver database on your computer and in any of the following optional search locations that you specify.					
To start the search, click Next. If you are searching on a floppy disk or CD-ROM drive, insert the floppy disk or CD before clicking Next.					
Optional search locations:					
Floppy disk drives					
CD-ROM drives					
Specify a location					
Microsoft Windows Update					
< Back Next > Cancel					

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6. If the "Specify a location" is selected, you much choose the correct path. Enter E:\Napdos\7000\756x\7560(The 'E' is the Disk that Package CD put in). Click "OK" to start the search.

Files Need	led	×
	The file 'ser2pl.sys' on USB-Serial Cable Diskete is needed.	ОК
		Cancel
	Type the path where the file is located, and then click OK.	
	Copy files from:	
	E:\Napdos\7000\756x\7560	Browse

7. Once Windows finds the correct driver, click "Next" to install the driver.

Found New Hardware Wizard				
Driver Files Search Results The wizard has finished searching for driver files for your hardware device.				
The wizard found a driver for the following device:				
USB Device				
Windows found a driver for this device. To install the driver Windows found, click Next.				
e:\napdos\7000\756x\7560\win2000\ser2pl.inf				
< Back Next > Cancel				

8. Windows will then install the driver for the USB-to-Serial COM Port. Once installation is complete, Windows will notify you that it has finished installing the software. Click "Finish" to continue.



#### 3.1.4 Verifying the Installation:

This section will show you on how to verify whether the I-7560 was properly installed. You will also need to determine the COM port assignment made by Windows for the USB to RS-232 converter.

Note: Before you connect the I-7560 for the first time, ensure that you do not attach any serial devices to the converter. You must only connect the I-7560 itself.

To verify whether the device is properly installed and determine the COM port assignment for the device:

 Click "Start" → "Settings" → "Control Panel", then double click on the "System" icon. Once the System Properties window is display, click on "Hardware" tab and then click on the "Device Manager" button. Doubleclick on Ports (COM & LPT). If the device was correctly installed, you should now see the I-7560 USB-to-RS232 (COM3) device listing. This also means that Windows has assigned the device to the COM3 port.

🖳 Device Manager					
$]$ <u>A</u> ction <u>Vi</u> ew $] \leftarrow \Rightarrow   \blacksquare \blacksquare   \blacksquare   \blacksquare  $					
] 🗷   🚜 🕱					
⊡ 🔜 JASON					
🗄 🖳 Computer					
🔁 🚍 Disk drives					
🕀 🖳 Display adapters					
i ⊕ 🚵 DVD/CD-ROM drives					
🕀 🚭 Floppy disk controllers					
🔃 🖄 Human Interface Devices					
🕀 🚭 IDE ATA/ATAPI controllers					
🕀 🥸 Keyboards					
🕀 🖄 Mice and other pointing devices					
🗄 – 🖳 Monitors					
🖻 🖉 Ports (COM & LPT)					
Communications Port (COM1)					
Communications Port (COM2)					
ECP Printer Port (LPT1)					
7 I-7560 USB-to-RS232 (COM3)					
🗄 🍕 Sound, video and game controllers 🕏					
🕀 🛄 System devices					
🗄 🚓 Universal Serial Bus controllers					

2. If you need to reassign the COM Port name to another Port number, you can double-click on the device (I-7560 USB-to-RS232) to view the properties. (The I-7561 cannot reassign the COM Port name to another Port number under Win98 and Win98SE.)

I-7560 USB-to-R5232 (COM3) Properties						
General Port Settings Driver						
Į	9 I-7560 USB-to-RS232 (COM3)					
	Device type:	Ports (COM & LP	Г)			
	Manufacturer:	ICP DAS				
	Location:	USB Device				
Device status This device is working properly. If you are having problems with this device, click Troubleshooter to start the troubleshooter.						
Device usage:						
Use this device (enable)						
			ОК	Cancel		

3. Once the properties window opens click on the Port Settings tab. Then click on the advanced button.

I-7560 USB-to-R5232 (COM3) Properties
General Port Settings Driver
Bits per second: 9600
Data bits: 8
Parity: None
Stop bits: 1
Flow control: None
Advanced 🔀 Restore Defaults
OK Cancel

4. The Advanced Settings dialog box will now be displayed. Click on the COM Port Number drop down box to check what other port numbers are available. If, for instance, Windows has assigned COM5 to the device, you may try to reassign it to a lower unused port number. Click OK when finished. Try running HyperTerminal to test whether the new port number is OK.

Advanced Settings for COM3							<u>? ×</u>
Use FIFO buffers (requ	ires 16550	compatible UAR	Γ)				ОК
Select lower settings to			S.				Cancel
Select higher settings fr	or raster pe	rrormance.			121.00	(1.0)	Defaults
Receive Buffer: Low (1)	I.		,	Y	High (14)	(14)	
Transmit Buffer: Low (1)	1		ı	—Ţ	High (16)	(16)	
COM Port Number: COM3	Ę						

Note: Some software programs may only support Ports up to COM4 and may not work if the port is assigned to COM5 or higher.

5. Once you have verified that the device has been properly installed, you may now proceed to use the USB-to-RS232 Converter to connect to serial devices. Attach the serial device to the serial port of the adapter and then connect the USB connector to the USB port of your computer. Use the supplied driver for the serial device if needed.

### 3.1.5 Uninstalling the Device Driver

It is easy to uninstall the USB to Serial device driver:

- 1. Run the DRemover98\_2K.exe Uninstall program which can be found on the Package CD, \Napdos\7000\756x\7560 or at
- ftp://ftp.icpdas.com/pub/cd/8000cd/napdos/7000/756x/7560
- 2. The uninstall program will then prompt you whether you want to remove the utility program. Click "OK " to continue.



3. After the uninstall is complete, the program will prompt you to restart Windows. Click "Yes " to continue.



4. Windows will show a dialog box to notify you that the driver was removed successfully. Wait for Windows to restart your computer.

🎒 USB-Serial Dri	ver Remover	×
Remove driver	r successfully!	
	<u>E</u> xit	
	<u>Exit</u>	

# 3.2 I-7561 Pin Assignment and Specifications



### Introduction

The I-7561 is a cost-effective module for transfer serial data over USB. It allows you to connect your serial devices to systems using a USB interface. Connecting the **I-7561** to a PC, you get one extra high-speed RS-232/422/485 ports. Like our I-7520A, the I-7561 contains "Self Tuner" This chip auto-tunes the baud rate and data format to the RS-485 network. The I-7561 module derives the power from the USB port and doesn't need any power adapter (when you use I-7561, you should connect power ground to other modules). It also features a high-speed 115.2 Kb/s transmission rate, and supports various O.S. independent RS-232/422/485 Ports.

# **Specifications**

- Full compatibility with USB 1.1 specifications.
- Input Port: USB.
- Cable: USB type "A" connector (Type "A" to type "B" cable provided).
- Output Port: 3-wire RS-232, RS-422, RS-485
- Speed: "Self Tuner" inside
- 3000 V DC Isolation protections provided.
- Photo-coupler isolation: 2500V rms
- 256 modules max. In one RS-485 network without repeater.
- Repeater request: 4,000 feet or over 256 modules.
- Parity Bit : odd, even, none
- Data Bit : 5,6,7,8
- Stop Bit :1, 1.5, 2
- Power requirements: Voltage support by USB interface of the Host-PC
- Operating temperature: -25°C to +75°C
- Storage temperature: -25°C to +80°C
- Humidity: 5~ 95%
- Driver Supported: Windows 98/ME/2000/XP, Linux

3.2.1 The I-7561 System Network Configuration:

- Multiple Baud Rate
- Multiple Data Format



# 3.2.2 The I-7561 Block Diagram:



### 3.2.3 I-7561 has four different output types.

Selecting the I-7561 output type.

*NOTE:* The RS-232, RS-422 and RS-485 output types couldn't be used simultaneously, which means that you can only select 1 type to output.

Type 1: 1-channel RS-485 output.

Type 2: 1-channel RS-422 output.

Type 3: 2-channel RS-485 output. (Support star network)

Type 4: 1-channel RS-232 output.

RS422/485 Output Jumpers settings:

For type 1: Set the JP3 jumper to positions 2 and 3. For type 2: Set the JP3 jumper to positions 2 and 3. For type 3: Set the JP3 jumper to positions 1 and 2.



Types 1 and 2: Default setting RS-422 or RS-485



Type 3: 2-channel RS-485

Pin Assignment For type1 and type2:



Pin Assignment For type3:



RS-485 Pin define: DATA+ and DATA-RS-422 Pin define: TX+, TX-, RX+ and RX-

Channel one Pin define: DATA1+ and DATA1-

Channel two Pin define: DATA2+ and DATA2-

# 3.2.4 I-7561 Driver Installation

### Installing the Device

This section will guide you on how to install the I-7561 USB to RS-232/422/485 converter under Windows XP, Windows 2000, Windows ME, and Windows 98 operating systems. (No support for WinNT). Download driver files from

- 1. Package CD, \Napdos\7000\756x\7561
- 2. ftp://ftp.icpdas.com/pub/cd/8000cd/napdos/7000/756x/7561

The following steps will show how to install the device under Windows 2000. Basically, the procedures are also somewhat the same for other Windows operating systems.

- 1. Power on your computer and boot to Windows.
- 2. Locate the USB port of your computer and plug in the I-7561.
- 3. Windows will detect the new device and will initiate the Found New Hardware Wizard prompting you to install the software for the detected USB Device. Select to install from a list or specific location. Click Next to continue.



4. An "Install Hardware Device Drivers" window is shown. Click "Next" to initiate a search for a suitable driver for your device.

Upgrade Device Driver Wizard				
Install Hardware Device Drivers A device driver is a software program that enables a hardware device to work with an operating system.				
This wizard upgrades drivers for the following hardware device:				
USB Device				
Upgrading to a newer version of a device driver may add functionality to or improve the performance of this device.				
What do you want the wizard to do?				
Search for a suitable driver for my device (recommended)				
Display a list of the known drivers for this device so that I can choose a specific driver				
< Back Next > Cancel				

5. Select the "Specify a location" optional search locations. If the "CD-ROM drives" checkbox is selected, please insert the driver CD. Click "Next" to start the search.

Upgrade Device Driver Wizard					
Locate Driver Files Where do you want Windows to search for driver files?					
Search for driver files for the following hardware device:					
USB Device					
The wizard searches for suitable drivers in its driver database on your computer and in any of the following optional search locations that you specify.					
To start the search, click Next. If you are searching on a floppy disk or CD-ROM drive, insert the floppy disk or CD before clicking Next.					
Optional search locations:					
Floppy disk drives					
CD-ROM drives					
Specify a location					
Microsoft Windows Update					
< Back Next > Cancel					

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6. If the "Specify a location" is selected, you much choose the correct path. Enter E:\Napdos\7000\756x\7561(The 'E' is the Disk that Package CD put in). Click "OK" to start the search.

Found Nev	v Hardware Wizard	×
	Insert the manufacturer's installation disk into the drive selected, and then click OK.	OK Cancel
	Copy manufacturer's files from: E:\NAPDOS\7000\756X\7561\WIN2000	Browse

7. Once Windows finds the correct driver, click "Next" to install the driver.

Found New Hardware Wizard
Driver Files Search Results The wizard has finished searching for driver files for your hardware device.
The wizard found a driver for the following device:
USB Device
Windows found a driver for this device. To install the driver Windows found, click Next.
e:\napdos\7000\756x\7561\win2000\ser2pl.inf
< Back Next > Cancel

8. Windows will then install the driver for the USB-to-RS232/422/485. Once installation is complete, Windows will notify you that it has finished installing the software. Click "Finish" to continue.



3.2.5 Verifying the Installation:

This section will show you on how to verify whether the I-7561 was properly installed. You will also need to determine the COM port assignment made by Windows for the USB to RS-232/422/485 converter.

Note: Before you connect the I-7561 for the first time, ensure that you do not attach any serial devices to the converter. You must only connect the I-7561 itself.

To verify whether the device is properly installed and determine the COM port assignment for the device:

 Click "Start" → "Settings" → "Control Panel", then double click on the "System" icon. Once the System Properties window is display, click on "Hardware" tab and then click on the "Device Manager" button. Doubleclick on Ports (COM & LPT). If the device was correctly installed, you should now see the I-7561 USB-to-RS232/422/485 (COM4) device listing. This also means that Windows has assigned the device to the COM4 port.



2. If you need to reassign the COM Port name to another Port number, you can double-click on the device (I-7561 USB-to-RS232/422/485) to view the properties. (The I-7561 cannot reassign the COM Port name to another Port number under Win98 and Win98SE.)

I-7561 US	B-to-R5232/422	/485 (COM4) Pro	operties	? ×	
General	Port Settings Driv	ver			
Ţ	I-7561 USB-to-RS	232/422/485 (CO)	14)		
	Device type:	Ports (COM & LP	T)		
	Manufacturer:	ICP DAS			
	Location:	USB Device			
Device status This device is working properly. If you are having problems with this device, click Troubleshooter to start the troubleshooter.					
Device usage:					
Use th	is device (enable)			•	
			ОК	Cancel	

3. Once the properties window opens click on the Port Settings tab. Then click on the advanced button.

	B-to-R5232/422/485 (COM4)	Properties		<u>?</u> ×
General	Port Settings Driver			
	Bits per second:	9600		•
	Data bits:	8		•
	Parity:	None		•
	Stop bits:	1		•
	Flow control:	None		•
	Adv	vanced	Resto	re Defaults
		OK		Cancel

4. The Advanced Settings dialog box will now be displayed. Click on the COM Port Number drop down box to check what other port numbers are available. If, for instance, Windows has assigned COM5 to the device, you may try to reassign it to a lower unused port number. Click OK when finished. Try running HyperTerminal to test whether the new port number is OK.

Advanced Settings for COM3						<u>? ×</u>
Use FIFO buffers (requ Select lower settings to						OK Cancel
Select higher settings fo	or faster pe	formance.				 Defaults
Receive Buffer: Low (1)	1		—Ţ	High (14)	(14)	
Transmit Buffer: Low (1)	1		—Ţ	High (16)	(16)	
COM Port Number: COM3	Ţ,					

Note: Some software programs may only support Ports up to COM4 and may not work if the port is assigned to COM5 or higher.

5. Once you have verified that the device has been properly installed, you may now proceed to use the USB-to-RS232/422/485 Converter to connect to serial devices. Attach the serial device to the serial port of the adapter and then connect the USB connector to the USB port of your computer. Use the supplied driver for the serial device if needed.

### 3.2.6 Uninstalling the Device Driver

It is easy to uninstall the USB to Serial device driver:

- 1. Run the DRemover98\_2K.exe Uninstall program which can be found on the Package CD, \Napdos\7000\756x\7561 or at
- ftp://ftp.icpdas.com/pub/cd/8000cd/napdos/7000/756x/7561
- 2. The uninstall program will then prompt you whether you want to remove the utility program. Click OK to continue.



3. After the uninstall is complete, the program will prompt you to restart Windows. Click "Yes" to continue.



4. Windows will show a dialog box to notify you that the driver was removed successfully. Wait for Windows to restart your computer.

🎒 USB-Serial Dri	ver Remover	×
Remove driver	r successfully!	
	<u>E</u> xit	
	<u>Exit</u>	

# 3.3 I-7563 Pin Assignment and Specifications:



### Introduction

The **I-7563** is a cost-effective module for transfer serial data over USB. It allows you to connect your serial devices to systems using a USB interface. Connecting the **I-7563** to a PC, The **I-7563** contains "Self Tuner "This chip auto-tunes the baud rate and data format to the Rs-485 network. The **I-7563** module derives the power from the USB port and doesn't need any power adapter. It also features a high-speed 115.2 Kb/s transmission rate, and supports various O.S.

Do you have any RS-485 wiring problems? The **I-7563** is USB to three ports RS-485 Hub. Each channel has its own RS-485 driver IC on it, so it can support star-shaped wiring.

# **Specifications**

- Full compatibility with USB 1.1 specifications.
- Input Port: USB.
- Output Port: Three RS-485.
- Speed: "Self Tuner" inside
- 3000 V DC Isolation protections provided.
- Photo-coupler isolation: 2500V rms
- 256 modules max. In three channels RS-485 network without repeater.
- 2048 modules max. In three channels RS-485 network with repeater.
- Repeater request: 4,000 feet or over 256 modules.
- Parity Bit : odd, even, none
- Data Bit : 5,6,7,8
- Stop Bit :1, 1.5, 2
- Operating temperature:  $-25^{\circ}$ C to  $+75^{\circ}$ C
- Storage temperature: -25°C to +80°C
- Humidity: 5~ 95%
- Driver Supported: Windows 98/ME/2000/XP, Linux

3.3.1 The I-7563 System Network Configuration:

- Multiple Baud Rate
- Multiple Data Format



3.3.2 The I-7563 Block Diagram:



### 3.3.3 I-7563 Driver Installation

This section will guide you on how to install the I-7563 USB to 3 Ports RS-485 Hub under Windows XP, Windows 2000, Windows ME, and Windows 98 operating systems. (No support for WinNT). Download driver files from

- 1. Package CD, \Napdos\7000\756x\7563
- 2. ftp://ftp.icpdas.com/pub/cd/8000cd/napdos/7000/756x/7563

The following steps will show how to install the device under Windows 2000. Basically, the procedures are also somewhat the same for other Windows operating systems.

- 1. Power on your computer and boot to Windows.
- 2. Locate the USB port of your computer and plug in the I-7563.
- 3. Windows will detect the new device and will initiate the Found New Hardware Wizard prompting you to install the software for the detected USB Device. Select to install from a list or specific location. Click Next to continue.



4. An "Install Hardware Device Drivers" window is shown. Click "Next" to initiate a search for a suitable driver for your device.

Found New Hardware Wizard
Install Hardware Device Drivers A device driver is a software program that enables a hardware device to work with an operating system.
This wizard will complete the installation for this device:
USB Device
A device driver is a software program that makes a hardware device work. Windows needs driver files for your new device. To locate driver files and complete the installation click Next.
What do you want the wizard to do?
Search for a suitable driver for my device (recommended)
<ul> <li>Display a list of the known drivers for this device so that I can choose a specific driver</li> </ul>
< Back Next > Cancel

5. Select the "Specify a location" optional search locations. If the "CD-ROM drives" checkbox is selected, please insert the driver CD. Click "Next" to start the search.

Found New Hardware Wizard
Locate Driver Files Where do you want Windows to search for driver files?
Search for driver files for the following hardware device:
The wizard searches for suitable drivers in its driver database on your computer and in any of the following optional search locations that you specify.
To start the search, click Next. If you are searching on a floppy disk or CD-ROM drive, insert the floppy disk or CD before clicking Next.
Optional search locations:
Floppy disk. drives
CD-ROM drives
Specify a location
Microsoft Windows Update
< Back Next > Cancel

6. If the "Specify a location" is selected, you much choose the correct path. Enter E:\Napdos\7000\756x\7563(The 'E' is the Disk that Package CD put in). Click "OK" to start the search.

Found New	v Hardware Wizard	×
	Insert the manufacturer's installation disk into the drive selected, and then click OK.	OK Cancel
	Copy manufacturer's files from: E:\Napdos\7000\756x\7563\Win2000	Browse

7. Once Windows finds the correct driver, click "Next" to install the driver.

Found New Hardware Wizard
Driver Files Search Results The wizard has finished searching for driver files for your hardware device.
The wizard found a driver for the following device:
USB Device
Windows found a driver for this device. To install the driver Windows found, click Next.
e:\napdos\7000\756x\7563\win2000\ser2pl.inf
< Back Next > Cancel

8. Windows will then install the driver for the USB-to-3 Ports. Once installation is complete, Windows will notify you that it has finished installing the software. Click "Finish" to continue.



3.3.4 Verifying the Installation:

This section will show you on how to verify whether the I-7563 was properly installed. You will also need to determine the COM port assignment made by Windows for the USB to 3 Ports RS-485 Hub.

Note: Before you connect the I-7563 for the first time, ensure that you do not attach any serial devices to the converter. You must only connect the I-7560 itself.

To verify whether the device is properly installed and determine the COM port assignment for the device:

- 1. Click "Start" → "Settings" → "Control Panel", then double click on the "System" icon. Once the System Properties window is display, click on
- "Hardware" tab and then click on the "Device Manager" button. Doubleclick on Ports (COM & LPT). If the device was correctly installed, you should now see the I-7563 USB-to-3 Ports RS485 Hub (COM3) device listing. This also means that Windows has assigned the device to the COM3 port.



2. If you need to assign the COM Port name to another Port number, you can double-click on the device (I-7563 USB-to-RS485 Hub) to view the properties. (The I-7561 cannot reassign the COM Port name to another Port number under Win98 and Win98SE.)

I-7563 US	B-to-3 Ports R54	85 Hub (COM3) I	Properties	? ×			
General	Port Settings Driv	ver					
Į	I-7563 USB-to-3 Ports RS485 Hub (COM3)						
	Device type:	Ports (COM & LP	T)				
	Manufacturer:	ICP DAS					
	Location:	USB Device					
Device status This device is working properly. If you are having problems with this device, click Troubleshooter to start the troubleshooter.							
Device usage: Use this device (enable)							
			ОК	Cancel			

3. Once the properties window opens click on the Port Settings tab. Then click on the advanced button.

I-7563 USB-to-3 Ports RS485 Hub (COM	13) Properties	? X
General Port Settings Driver		
Bits per second:	9600	
Data bits:	8	•
Parity:	None	•
Stop bits:	1	•
Flow control:	None	•
۵dv	vanced N Restore De	efaults
	ОК	Cancel

4. The Advanced Settings dialog box will now be displayed. Click on the COM Port Number drop down box to check what other port numbers are available. If, for instance, Windows has assigned COM5 to the device, you may try to reassign it to a lower unused port number. Click OK when finished. Try running HyperTerminal to test whether the new port number is OK.

Advanced Settings for COM3						<u>? ×</u>
Use FIFO buffers (requestions)	) correct co	nnection problem				OK Cancel
Select higher settings f Receive Buffer: Low (1)	or faster pe	rformance.	—-Ţ	High (14)	(14)	Defaults
Transmit Buffer: Low (1)	1	•	—-Ţ	High (16)	(16)	
COM Port Number: COM3	Ę					

Note: Some software programs may only support Ports up to COM4 and may not work if the port is assigned to COM5 or higher.

5. Once you have verified that the device has been properly installed, you may now proceed to use the USB-to-3 Ports RS485 Hub to connect to serial devices. Attach the serial device to the serial port of the adapter and then connect the USB connector to the USB port of your computer. Use the supplied driver for the serial device if needed.

### 3.3.5 Uninstalling the Device Driver

It is easy to uninstall the USB to Serial device driver:

- 1. Run the DRemover98\_2K.exe Uninstall program which can be found on the Package CD, \Napdos\7000\756x\7563 or at
- ftp://ftp.icpdas.com/pub/cd/8000cd/napdos/7000/756x/7563
- 2. The uninstall program will then prompt you if you want to remove the utility program. Click OK to continue.



3. After the uninstall is complete, the program will prompt you to restart Windows. Click "Yes" to continue.



4. Windows will show a dialog box to notify you that the driver was removed successfully. Wait for Windows to restart your computer.

×