

Quadrus Serial Controller Installation and Configuration Manual

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Introduction

The Quadrus Serial Controller is advanced USB to Serial Adapter that connect up to 8 RS-422 devices to your computer. The adapter make industrial communication port expansion quick and simple. Connecting to a USB port on your computer, the Quadrus Serial Controller instantly add eight RS-422 ports to your system. By taking advantage of the USB bus, the Quadrus Serial Controller make it easier than ever to add RS-422 devices to your system with easy plug-and-play and hot plug features.

Common Features:

- Adds 8 high speed RS-422 DB9 male connectors
- USB2.0 Interface (up to 480 Mbps)
- Monitor LEDs of TxD, RxD of each port indicating port status
- Monitor LEDs of mode indicating serial port operation mode
- Virtual COM port drivers available for Windows XP/Vista.
- Power Supply : built-in internal switching power supply
- 1U Rack Mountable

Windows Vista/XP Driver Installation

You need to have administrator privileges to install any new drivers under Windows Vista/XP. To install the driver or update the configuration please log onto Windows as "Administrator" or ask your system administrator to install the USB to serial driver.

You need to install driver first, prior to hardware installation. Do not connect the Quadrus Serial Controller to the USB port of your computer, before you finish driver installation.

Please proceed with the following steps to install the driver:

1. Insert the “Quadrus Serial Controller Driver and Utility” CD into your CD-ROM.
2. The “Quadrus Serial Controller Driver and Utility CD” dialog box appears.
3. Double click “Install Windows Vista/XP driver” to install the device driver.
4. After the message “FTDI CDM drivers have been successfully installed” appears, click “Finish” to complete the driver installation.



5. Plug in the Quadrus Serial Controller to the USB port of your computer.
6. Windows will finish installing the driver files.

Check Installation

You can now verify the installation has been completed successfully by looking under Device Manager of the System Properties screen. (Go there by Start-Setting-Control Panel-System Properties-Hardware-Device Manager.

The device should have installed as a "USB Serial Port (COMx)" attached to "USB Serial Converter (A/B)".

Uninstalling Windows Vista/XP Drivers

To uninstall the Windows Vista/XP drivers:

1. Remove the Quadrus Serial Controller from the USB Port or Hub.
2. Go to the Control Panel.
3. Open the Add or Remove program.
4. Select "FTDI USB Serial Converter Driver".
5. Click "Change/Remove".
6. Select "Continue" to delete the drivers.
7. Select "Finish".
8. Reboot the computer to complete the driver uninstall.

LED Indicators

The Quadrus Serial Controller are designed with monitor LEDs of TxD & RxD indicating serial port data transmit and receive status, and with Operation Mode LEDs indicating serial port status. Normally, the Operation mode LEDs should be **Green**

Signal Pin-outs and Wiring

Controller Pin	Device Pin (VTR)
1 <i>TxD-(A)</i>	8 <i>RxD-(A)</i>
2 <i>TxD+(B)</i>	3 <i>RxD+(B)</i>
3 <i>RxD+(B)</i>	7 <i>TxD+(B)</i>
4 <i>RxD-(A)</i>	2 <i>TxD-(A)</i>
5 <i>GND</i>	1 <i>GND</i>