I-7561

USB
to RS-2332/RS-422/485
Converters

Description

The I-7561 is a cost-effective, industrial grade module for transferring serial data from a USB port. The I-7561 allows you to connect your serial devices to the PC using a USB interface. When the I-7561 is connected to a PC, you get one or two extra high-speed RS-232/422/485 ports. The I-7561 contains our " Self Tuner " chip. This chip auto-tunes the baud rate and data format to the serial network. The I-7561 module derives its power from the USB port and doesn't need a power adapter. The I-7561 features a high-speed 115.2 Kb/s transmission rate and includes drivers for Windows 98/Me/2K/XP/Vista/Windows 7 and Linux.

7561 Model Usage

The I-7561 is a USB Plug&Play device that adds one or two serial ports to any WIN PC with a USB port. The Driver creates virtual COM ports that the user's programs can use to communicate with the serial device. Drivers are included for Microsoft Windows 98/ME/2000/XP/Vista (32/64-bit)/7 (32/64-bit)/ and Linux.

DIN Rail Mounting

The I-7561 Converters mount on the industry standard DIN rail. This makes them easy to mount and to remove and replace if serving is ever required. DIN rails are available for single units or for multiple modules. Each I-7561 Converter includes a single unit DIN rail.

Typical Connections

The USB connection is via a USB cable to a USB 'B' plug. All serial connections are made on the plug-in screw terminal strip. The RS-232 connection uses just TxD, RxD and Ground. The RS-485 port uses just two wires for data. The RS-422 full-duplex connections uses 4 wires.

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Serial Interfaces

RS-232 Interfaces:

Signals	TX, RX and GND
Baud Rates	Std Windows rates up to 115.2 kbaud
Data Bits	7 or 8 bits
Parity	None, odd or even
Stop bits	1 or 2
Flow Cntl	None

RS-422 Interface for 4-wire applications
Signals	TX pair, RX pair

RS-485 Interface is half-duplex
Signals	TX/RX pair
Distance	2.1 Km at 9600 baud
	2.7 Km at 4800 baud
	3.6 Km at 2400 baud

Physical

Size	123mm x 72mm x 33 mm (without mounting bracket)
Connectors	USB B
Isolation	3000 Vdc

Temperature
Operating	-25 °C to 75 °C
Storage	-25 °C to 80 °C

Relative humidity
5 to 95% (not condensing)

- Bus powered converter connects serial devices to the PC via the USB bus. *Replaces missing COM ports*.

- USB 1.1/2.0 Compatible *Works with any computer.*

- RS-232/422/485 Output *Provides all signal types for industrial users*.

- Auto tuner circuit for baud rates from 300-115200 baud. *Handles multiple data rates*.

- 3000 V Isolation *Prevents ground loops and electrical damage*.

- Mounts on standard DIN rail. *Easy mounting and replacement*.

- Driver supports Windows 98/ME/2000/XP/Vista (32/64-bit)/7 (32/64-bit)/ and Linux. *Works with all PCs*.

- Includes USB Cable, single DIN rail, Windows driver, Linux driver, and manual on CD ROM. *Nothing more to buy*!

CE Approved

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ORDERING INFORMATION

	Part Number
USB Module with Isolated RS-232/RS-422/RS-485 port	I-7561