

USB TO RS485 CONVERTERS

Our range of USB to RS485 Converters comprises of three types – one where the two wire RS485 connections are electrically connected to the USB interface (non-isolated) and two others which have galvanic isolation (5kV) between the USB interface and the RS485 interface (isolated).

The isolated types come in two models which can operate at maximum speeds of 500Kbps and 16Mbps.

Power for this RS485 to USB converter is provided from the USB port so there is no need for an external power supply. It is designed around the high performance and reliable FT232B processor chip from FTDI, and is compatible with all versions of Windows, Mac and Linux.

The non-isolated USB to RS485 converter is ideal for most applications and environments such as office, laboratory, server rooms and non-commercial environments. We recommend the isolated versions for industrial and factory environments where one cannot take the chance of either damaging the PC or damaging the equipment which you are connecting to.



PART NUMBERING:

PI-USB/RS485	USB to RS485 Converter
PI-USB/RS485-I	USB to RS485 Converter - Isolated
PI-USB/RS485-IX	USB to RS485 Converter High Speed - Isolated

SPECIFICATIONS:

- Drivers for Windows 8 32/64, Windows 7 32/64, Vista 32/64, XP 32/64, Server 2003/8R2 32/64, 2000, ME, 98Se, Mac, 8/9/X, Linux.
- USB port-powered, no external power needed.
- FTDI232 USB chip and Analogue Devices RS485 Drivers.
- UART I/F Supports 7 / 8 Bit Data, 1 / 2 Stop Bits and Odd/Even/Mark/Space/No Parity.
- WHQL compliant COM drivers included.
- USB Plug and Play with Windows 7 and 8.
- Indication LED light for TX and RX activity.
- Auto detection of data speed.
- USB 1.1 and USB 2.0 compatible.
- Screw terminal connections for wire 1.5mm² max.
- Automatic data direction control.
- Typical communications speed: maximum 115.2Kbps at 1,000m.
- Up to 32 nodes in network configuration.
- Operating temperature -10°C to 60°C.
- Internal link for 220Ω termination resistor if required.
- Dimensions 70 x 19 x 17 mm (L x W x H).
- Packaged dimensions 110 x 100 x 45 mm (W x D x H), weight 60g.
- Latest drivers and software available at:
<http://www.ftdichip.com/Drivers/VCP.htm>
<http://www.ftdichip.com/Support/Documents/InstallGuides.htm>
<http://www.ftdichip.com/Support/FTDocuments.htm>

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PROCESS INSTRUMENTATION

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