PMI-6554 USB to TTL 6P Serial Cable With Buckle

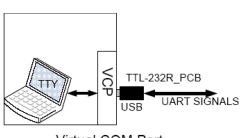
Please read the product manual carefully before using the product.

1. Description

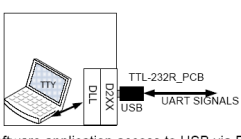
USB to TTL serial UART converter cable provides a fast, simple way to connect devices with a 3.3V TTL level serial interface to USB port. It integrates FTDI FT232 USB to serial UART interface IC device, which handles all the USB signals and protocols.

The FT232 chip used is housed within the USB A connector. The cable is terminated with a 6 way 0.1 inch pitch header socket which provides access to the transmit (TX), receive (RX), RTS, and CTS, VCC and GND connections.

The converter required USB drivers, available from http://www.ftdichip.com, which are used to make the FT232 on the PCB appear as virtual COM port(VCP driver). It allows users to communicate with the USB interface via a standard PC serial emulation port. Another driver it support is D2XX driver, can also be used with application software to directly access the FT232 on the PCB though a DLL application programming interface. This is illustrated in the following diagram:



Virtual COM Port



Software application access to USB via D2XX

FT232 is a USB to serial UART interface with optional clock generator output, and the new FTDIChip-ID™security dongle feature. Asynchronous and synchronous bit bang interface modes are available. USB to serial interface designs using the FT232 have been further simplified by fully integrating the external EEPROM, clock circuit and USB resistors onto the device.

FT232 adds two new functions compared with its predecessors, effectively making it a "3-in-1" chip for some application areas. The internally generated clock (6MHz, 12MHz, 24MHz and 48MHz) can be taken out from the device and used to drive a microcontroller or external logic. A unique number (FTDIChip-ID™) is written into the device during manufacture and is readable over USB, to make it as a security dongle, which can be used to protect customer application software from being copied.

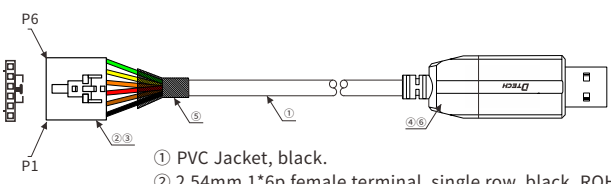
2. Features

- USB 2.0 full speed, back compatible with USB1.1, USB1.0.
- FT232 chip on board, supports FTDI drivers.
- PCB board pinout: TXD, RXD, CTS, RTS, VCC, GND.
- UART interface supports 7 or 8 data bits, 1 or 2 stop bits and odd / even / mark / space / no parity.
- Hardware flow Control (RTS/CTS) or X-On / X-Off software handshaking.
- Serial data transfer rates up to 3M.
- Internal EEPROM with users writable area.
- Data signal levels: +3.3V.
- LED light color:TX(blue),RX(green).
- Support FT232 FTDICHIP-ID feature for improve security .
- Support VID, PID and other reprogrammed function.
- USB bus powered, no extra power required.
- Low PC USB bandwidth consumption.
- Range -40°F to +185°Foperation temper.

3.Driver Support

- Windows 11,10, 8, 8.1 32, 64-bit.
- Windows server 2008.
- Windows 7 32, 64-bit.
- Windows XP and XP 64-bit.
- Windows Vista and Vista 64-bit.
- Windows CE 4.2, 5.0 and 6.0.
- Mac OS 8/9, OS-X.
- Linux 2.4 and greater.

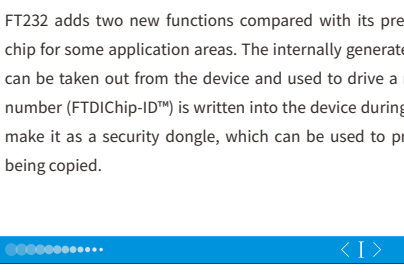
4. Cable's Pinout and Signal



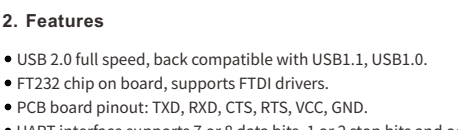
① PVC Jacket, black.
② 2.54mm 1*6p female terminal, single row, black, ROHS.
③ 2.54mm pitch socket, ROHS.
④ USB A male, FT232 TTL 3.3V PCBA inside, ROHS.
⑤ Heat shrink tube, black, OD=5.0.
⑥ ABS Housing, transparent white, ROHS.

1*6P Female Socket	Name	Colour	Description
Pin 1	GND	Black	Device ground supplyBrown
Pin 2	CTS	Brown	Clear to Send Control/Handshake signal
Pin 3	VCC	Red	+5V
Pin 4	TXD	Orange	Transmit Asynchronous Data
Pin 5	RXD	Yellow	Receive Asynchronous Data
Pin 6	RTS	Green	Request To Send Control/Handshake signal

PCB board inside of USB A end (dimension and pinout).



LED light color: TX (blue), RX (green).



5. Installation

- Power on your computer and make sure that the USB port is available and working properly.
- Insert the cable into PC USB port, the system will find the new hardware wizard.
- Follow the on-screen instructions to complete the installation.
- Find USB serial port via Device Manager.

6. Troubleshooting

1) "Question Mark" or "Exclamation Mark" appears behind serial port (COMX).

It means the driver did not install properly. Please delete the item and install the driver again.

2) The device don' t work even driver installed successfully.

If the adapter is installed on COM5, please make it reassigned to COM1,2,3 or 4. It is possible that computer only scans a limited number of COM ports (says 3 or 4), so the computer won' t recognize COM5 port with such a limitation until the COM port is reassigned.

Product Warranty Card

Customer Information

Model:	
Date of purchasel:	
User telephone:	
User address:	
Distributor:	
Agency address:	
User telephone:	Dealer stamp valid

Intenance Records

Repair times	Date	Fault	Treatment measures	Repair work NO.