

PL-2303 USB TO SERIAL BRIDGE CONTROLLER

OVERVIEW

The PL-2303 USB-to-Serial Bridge Controller is a low cost and high performance single chip solution. It provides a simple and easy way to use bridge/connectivity between the Universal Serial Bus (USB) and Serial Port interface.

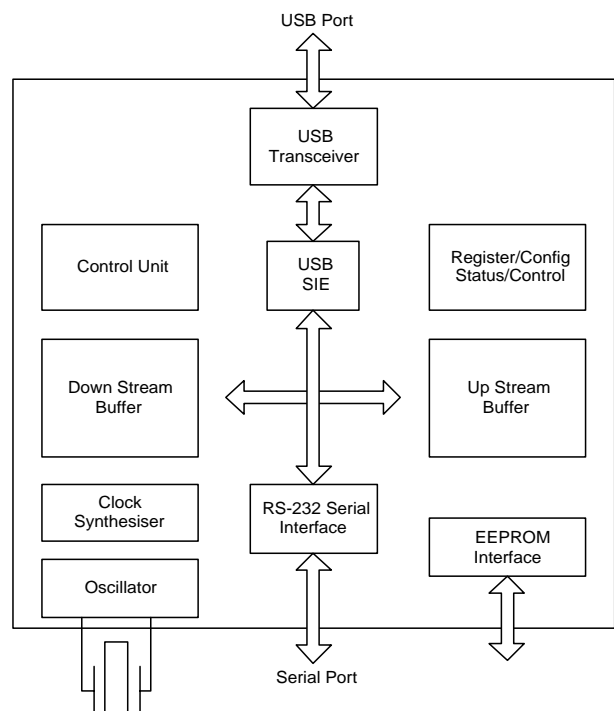
With the advantage of USB port, users have the capability to utilize the peripheral with serial port interface in an easy-to-use environment such as plug and play & hot swap function. This single chip is designed for ideal connections to Cellular Phone, Digital Camera, Modems or ISDN terminal adapters with over 1Mbps data transfer rate.

The PL-2303 device and software drivers are capable of providing a no-firmware-change feature that enable USB interface to be transparent to serial port peripherals with minimum modifications.

FEATURES

- ❑ Full compliance with the USB Specification v1.1(0) and USB CDC v1.1
- ❑ Support the RS232 Serial interface
- ❑ Support automatic handshake mode
- ❑ Over 1Mbps data transfer rate
- ❑ Support Remote wake-up and power management
- ❑ 96 bytes buffer each for upstream and downstream data flow
- ❑ Support default ROM or external EEPROM for device configuration
- ❑ On chip USB transceiver
- ❑ On chip crystal oscillator running at 12M Hz
- ❑ Single chip solution in a 28 Pins SOIC package

PL-2303 Block Diagram



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