



PL-2313

USB TO DUAL SERIAL BRIDGE CONTROLLER

Product Overview

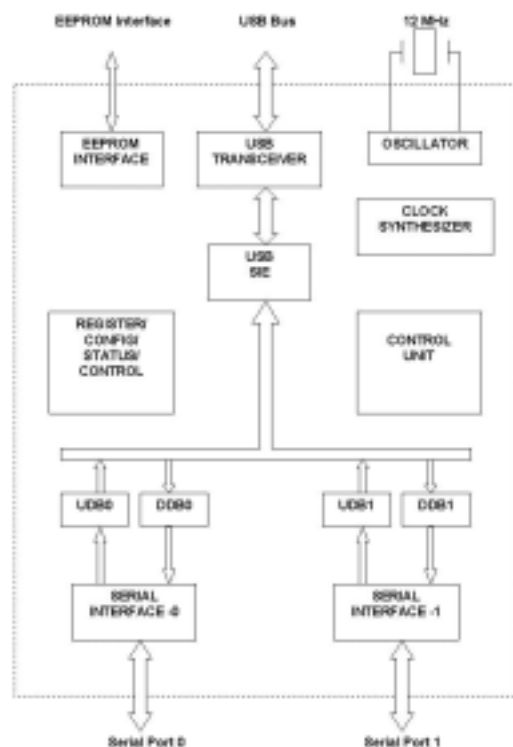
The PL-2313 USB-to-Dual Serial Bridge Controller is a low-cost, high-performance, single-chip USB to Dual Serial port controller IC. It operates as a bridge, and provides single and easy connectivity between one USB port and two serial ports. Each Serial port can be independently configured into various synchronous and asynchronous interfaces. Users will have option to execute two serial devices at the same time.

The PL-2313 is designed to be compliant with a variety of applications, including COM port replicator, handy phone adaptor, and other devices with serial ports. As such, the PL-2313 is ideally suited for many peripherals like cellular phone, digital camera, modem or ISDN terminal adapters, and etc.

FEATURES

- Full compliance with the USB Specification v1.1
- Dual serial port interfaces
- Supports the following asynchronous serial interfaces:
 - RS 232
 - RS 485
 - MIDI
- Supports the following synchronous serial interfaces:
 - HDLC
 - PDC(Japanese mobile phone)
 - PHS-NTT(Japanese mobile phone)
 - PHS-DDI(Japanese mobile phone)
- Over 1Mbps transfer rate per port
- Supports remote wake-up and power management
- Dual data buffers for upstream and downstream data flow on each port
- Supports default ROM or external EEPROM for device configuration

PL-2313 Block Diagram



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