

PL-2311 USB to Ethernet

The USB-Ethernet device integrates a 802.3u fast Ethernet controller with a USB interface for the host link. With the USB interface, a user doesn't need to shut down the power or remove the PC case when installing a NIC card. The users just simply plug the cable into the PC's USB port, then the 100 percent plug-n-play feature can ease the installation effort to the minimum. In addition, the software driver provides the NDIS interface, it is just like an ordinary NIC card utilizing the standard Windows APIs, such as Window Explorer and Network Neighborhood. In addition to Ethernet, the HomePNA PHY can also be connected through the provided MII interface.

Feature

- Easily connects USB-equipped PC to an Ethernet LAN
- Data bandwidth more than 6 Mbps
- Plug-n-play with Windows 2000, Windows ME and Windows 98
- Merges USB ver. 1.1 power management with the Ethernet Wake-up-LAN
- Includes 2-wire EEPROM interface to store device control information
- Driver supports NDIS interface
- Low power consumption 3.3V

USB

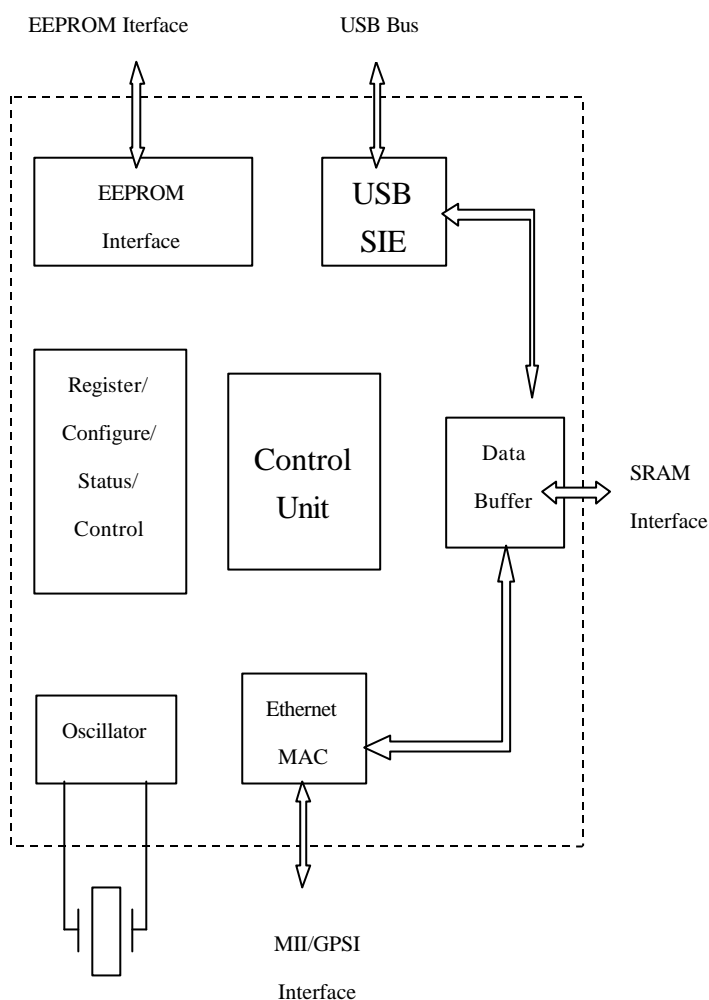
- Conforms to USB spec. 1.1
- USB full speed connection
- USB bus powered, no external power required
- Supports suspend, resume, and remote wakeup for power management

Ethernet

- Conforms to IEEE 802.3u 10/100 TX operation
- Capable of full/half duplex
- Supports 802.3x full duplex flow control
- Support half duplex flow control
- Auto-negotiation allowable
- Supports various wake-on-lan features:
 - Link change
 - Magic packet

HomePNA

- Supports HomePNA PHY through MII interface



Block Diagram

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