PLX Technology Acquired Oxford Semiconductor in January 2009

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OXCF950B

16-bit PC card/CF+ bridge to serial port

Description

Combining Oxford Semiconductor's high performance UART and 16-bit PC Card/Compact Flash technology, the OXCF950B is the ideal connectivity solution for products that need to bridge serial devices to 16-bit PC Card or Compact Flash interfaces including: Cellular CDMA/GSM/GPRS, GPS, and Bluetooth wireless data cards.

This highly integrated device is backed by certified device drivers, for a wide range of operating systems, to deliver ultimate performance with reduced design cycles and accelerated time to market.

The OXCF950B is a single chip serial port solution for 16-bit PC Card and Compact Flash based serial connectivity and bridging applications. The device incorporates Oxford Semiconductor's high performance, feature-rich UART technology that combines the industry's fastest baud rates and deepest FIFOs with unrivalled flexibility. It adds up to a class leading serial connectivity solution.

Features

o   High performance UART with peak asynchronous data rates up to 15Mbps
o   RS232/422/485 full and half duplex interfaces
o   Deep 128-Byte receive/transmit FIFOs
o   Full modem interface with hardware out of band flow control
o   Automated Xon/Xoff in-band flow control
o   Flexible clock prescalar allows for a wide range of baud rates
o   Infra-red (IrDA) receive and transmit operation
o   Support for external, 8 bit pass-through local bus for port expansion
o   2 GPIOs
o   16-bit PC Card 7.1 and CF+ 1.4 compliant
o   Software compatible with industry standard 16C550 type devices
o   3.3V operation with 5V Tolerant IO
o   48 TQFP or 48 TFBGA package
o   Industrial temperature range (-40 to +105°C)
o   Certified device drivers for a wide range of operating systems

Development Support

Design and evaluation of the OXCF950B is easy with an available evaluation kit that includes everything needed for PC installation and evaluation. The kit includes Oxide, an intuitive graphical user interface development tool that provides simple 'point and click' feature selection and text box entry for fast, error free customization with minimal software expertise.

Ordering Information

Device	Development Kit
OXCF950B	EV-OXCF950B