



# PLX Technology Acquired Oxford Semiconductor in January 2009

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# OX16C954B

## High Performance Quad UART

### Description

Utilizing Oxford Semiconductor's high performance UART technology, the OX16C954B is the ideal solution for a diverse range of products requiring serial multi-port connectivity including: PC Add-on Cards, Industrial PC, Point of Sale Terminals, Industrial Control and Network Management.

The OX16C954B is a single chip, quad UART for high performance applications. The device incorporates Oxford Semiconductor's high performance, feature-rich UART technology that combines the industry's fastest baud rates and deepest FIFOs. It adds up to a class leading serial connectivity solution.



### Features

- High performance UART with peak asynchronous data rates up to 15Mbps
- RS232/422/485 full and half duplex interfaces
- Deep 128-Byte receive/transmit FIFOs
- Full modem interface with hardware out of band flow control
- Automated Xon/Xoff in-band flow control
- Flexible clock prescaler allows for a wide range of baud rates
- Infra-red (IrDA) receive and transmit operation
- Software compatible with industry standard 16C550 type devices
- 3.3/5V operation
- Pin compatible with TL16C554 and ST16C654
- 80 TQFP and 68 PLCC packages
- Commercial temperature range (0 to +70°C)

### OX16C954B Block Diagram

