9160 and 9162
Simple PCI Bridging

Classic

1394
Firewire

USB 2.0

Evolving
Standards

PCI
Bus
Controller

EEPROM
Interface

local
bus
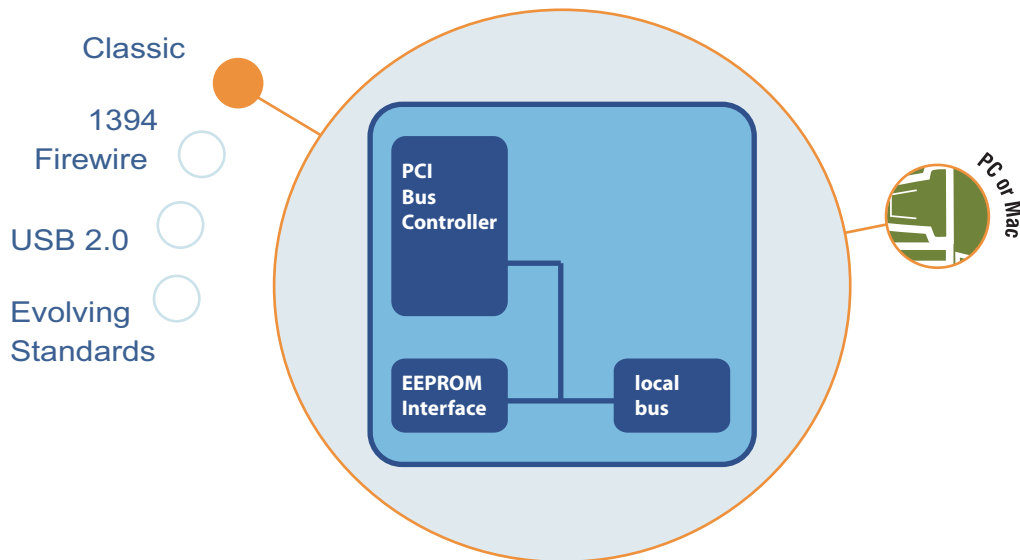
PC or Mac

The Oxford 9160 and 9162 deliver 8 and 32 bit local bus bridging in a simple and easy to implement solution. The generic bus supports Intel and Motorola modes with I/O or memory mapped configurations.

Key features

33MHz, 32-bit target PCI controller	Assurance of inter-operability.
8 (9162) or 32 (9160) bit pass through local bus	Standard interface supporting a wide range of peripheral ICs
Completes operations in one PCI frame	No PCI retries for maximum performance
Supports shared interrupts, and offers multi-purpose I/O pins.	Simple interface to many peripheral chips
Single Chip solution	Low cost, low risk, quick time-to-market
Comprehensive Driver support	Simplifies product development

9160 and 9162
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OXFORD SEMICONDUCTOR

PCI Bridging made simple

The 9160 and 9162 are low cost, general purpose PCI bridge solutions designed to ease system migration to PCI card implementations.

The local bus can be configured to operate using either Intel x86 or Motorola style bus formats. A flexible control register set allows customisation of the memory address, dividing it into chip select regions, access devices via I/O or memory space mapping and adjust the timings of all operations. The default register settings have been chosen to support many standard chips such as I/O controllers and ISA type devices. A simple EEPROM can be used to overwrite these default setting in advanced applications.

Oxfords comprehensive design documents, drivers and PCB schematics shorten design cycles.

PCI

Connectivity for consumer electronics   **www.oxsemi.com**