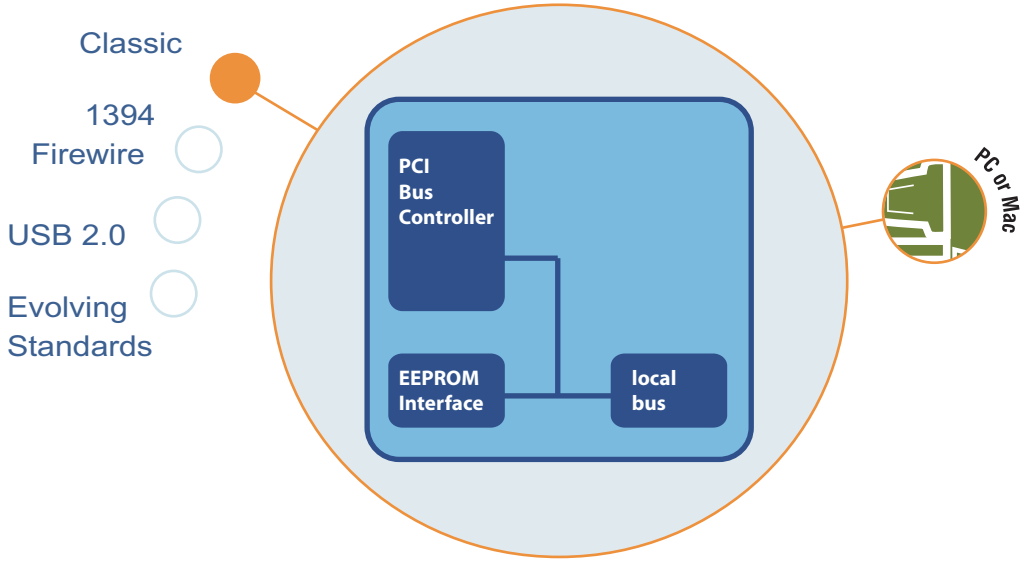
9160 and 9162
Simple PCI Bridging



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

9160 and 9162
Simple PCI Bridging

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

Europe

Oxford Semiconductor Ltd
25 Milton Park, Abingdon
Oxfordshire OX14 4SH, UK
Tel: +44 1235 824900
Fax: +44 1235 821141
Email: sales@oxsemi.com

US

Oxford Semiconductor Inc
27281 Las Ramblas, Suite 200
Mission Viejo CA92691, USA
Tel: +1 949 348 1235
Fax: +1 949 367 3141
Email: sales@oxsemi.com

Singapore

Oxford Semiconductor
1010 Dover Road, SPGG #03-04
Singapore 139658
Tel: +65 67754080
Fax: +65 67744811
Email: sales@oxsemi.com