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**EMICONDUCTOR** 

# 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

dzsc.com

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

Connectivity for consumer electronics

www.oxsemi.com

## 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.



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