Version 1.1 2004

# PCI 6152

*FastLane™ PCI-to-PCI Bridge Chips*

## Connectivity

### *PCI 6152 (PCI 6152-xx33BC)*

- 32-bit, 33MHz Synchronous operation
- 5V signal tolerance
- 15mm x 15mm TBGA
- Transparent Bridge Function
- PCI Bus Types
- Support for 4 Bus Masters

### *PCI 6152 (PCI 6152-xx66BC)*

- AGP 2X Port Compatible
- 32-bit, 66MHz Synchronous operation
- 5V signal tolerance
- 15mm x 15mm TBGA
- Transparent Bridge Function
- PCI Bus Types
- Support for 4 Bus Masters

### *PCI 6152 (PCI 6152-xx33PC)*

- 32-bit, 33MHz Synchronous operation
- 5V signal tolerance
- 160-pin PQFP
- Transparent Bridge Function
- PCI Bus Types
- Support for 4 Bus Masters

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### The FastLane™ PCI 6152 is a family of three very low power 32-bit PCI-to-PCI Bridges

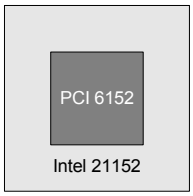
PLX's FastLane PCI 6152 family is specially designed for applications that require high performance 32-bit PCI bus expansion. Add-in card designers can use the FastLane PCI 6152 to expand PCI connection capacity beyond the limitation of a single PCI device. Designers can use the FastLane PCI 6152 to build multi-device PCI cards such as RAID controllers and other multimedia applications.

The FastLane PCI 6152 is optimized for the following applications:

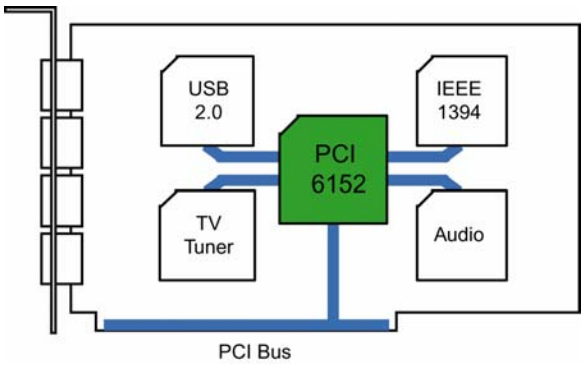
- PCI Latency Sensitive Systems
- PCI-Retry Penalty Sensitive Systems
- PCI Slave Access intensive bridging functions
- High Performance and low cost PCI-to-PCI bridging functions
- Low Power and PCI ClockRun support

## Performance

- Smallest PCI-to-PCI package in the world, plus Intel 21152 pin compatible package version
- **No-Retry™** architecture for high PCI-to-PCI bridging efficiency
- 4 pairs of REQ/GNT signals support up to 8 bus masters directly on secondary bus
- EEPROM support for extra register control
- Vital Product Data (VPD)
- 4 general purpose IO interface
- Proven PME D3 wakeup power management




**Size Comparison**
PCI 6152 is 78% Smaller than Intel 21152




## Product Ordering Information

| Part Number | Description |
|---|---|
| PCI 6152-xx33BC | PCI 6152—33MHZ, PCI-to-PCI Bridge Chip (TBGA) |
| PCI 6152-xx66BC | PCI 6152—66MHZ, PCI-to-PCI Bridge Chip (TBGA) |
| PCI 6152-xx33PC | PCI 6152—33MHz, PCI-to-PCI Bridge Chip (PQFP) |

Please visit the PLX Web site at http://www.plxtech.com or contact PLX sales at 408-774-9060 for more information.

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