

## XIO3130 PCI EXPRESS FANOUT SWITCH

### Key Features

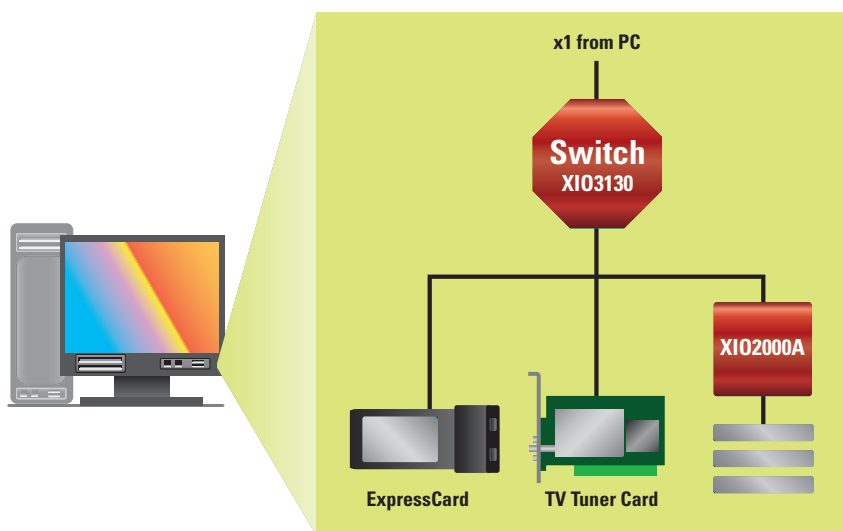
- PCI Express fanout switch with x1 upstream port and three x1 downstream ports
- Fully compliant with PCI Express Base Specification, Rev. 1.1
- Cut-through architecture
- Support for D1, D2, D3hot, and D3cold
- Active State Power Management (ASPM) using both L0s and L1
- Low-power PCI Express transmitter mode (pre-emphasis disabled)
- Integrated AUX power switch drains VAUX power only when main power is off
- Integrated hot-plug support
- Integrated REFCLK buffers for switch downstream ports
- Advanced Error Reporting to assist with system debug tools
- 3.3-V multifunction I/O pins (e.g., for hot-plug status and control, or for general purpose I/Os)

The Texas Instruments XIO3130 is an integrated PCI Express fanout switch solution with one upstream x1 port and three downstream x1 ports. This high-performance integrated solution provides the latest in PCI Express switch technology, including cut-through architecture and integrated reference clock buffers for downstream ports. The XIO3130 is fully compliant with the PCI Express Base Specification Rev. 1.1. It supports Advanced Error Reporting as defined in the PCI Express base specification and is backward-compatible with the PCI Local Bus Specification, Rev. 2.3.

### Target Market

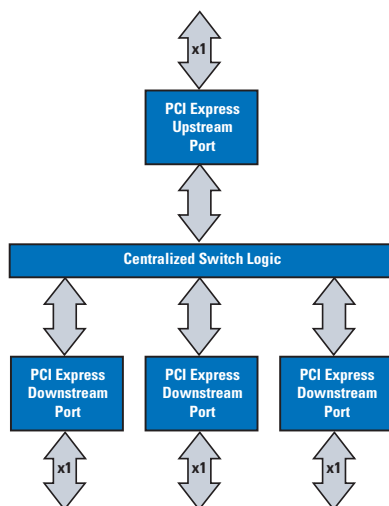
The primary purpose of the XIO3130 as a fanout device is to efficiently expand the computing resources of the chipset to multiple I/O ports thereby enhancing system functionality and flexibility. Target applications for the XIO3130 include PCs, servers, storage, industrial control and imaging.

### Extending PC Connectivity to LCD Monitor



The switch implemented in a split chassis configuration where it is used with the XIO2000A to add advanced features in an LCD monitor such as ExpressCard slot, PCI Express-based TV-tuner, and any number of PCI-based features normally available in a desktop.

### XIO3130 Functional Block Diagram



### XIO3130

Part Number	Package (MicroStar BGA™)	Samples	Preliminary Data Manual	Production
XIO3130GHC	196-Ball Pb	3006	Now	1Q07
XIO3130ZHC	196-Ball Pb-Free (RoHS-Compliant)			