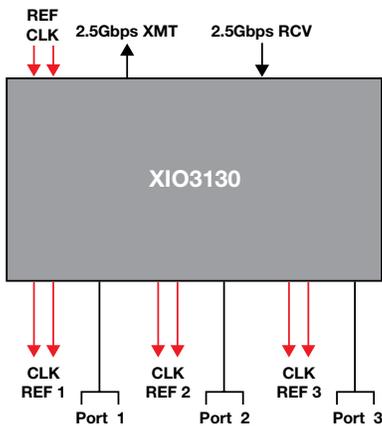


PCI Express® Four-Lane, Four-Port PCI Express Switch XIO3130

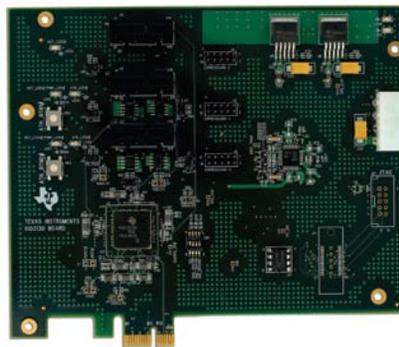


The XIO3130 is an integrated PCI Express fan-out switch solution supporting four lanes and four ports. This high-performance, integrated solution provides the latest in PCI Express switch technology compliant to PCI Express Base Specification, Rev. 1.1 and PCI Local Bus Specification, Rev. 2.3 and beyond.



Target Market

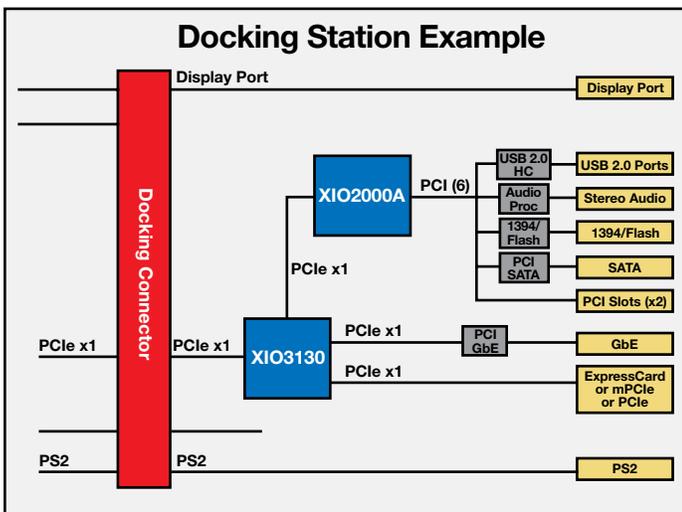
The primary purpose of the XIO3130 as a fan-out device is to efficiently expand the root complex computing resources to multiple I/O ports, thereby enhancing system functionality and flexibility. Target applications for the XIO3130 include PCs, server HBA, embedded systems, industrial control and backplane, docking station, and add-in cards.



▲ XIO3130 Evaluation Board

Key Features

- PCI Express fan-out switch with x1 upstream port and three x1 downstream ports
- Fully compliant with PCI Express Base Specification, Revision 1.1
- Cut-through architecture
- Peer-to-peer support on all downstream ports
- Integrated AUX power switch drains VAUX power only when main power is “off”
- Integrated hot-plug support for each of the three downstream ports
- Seamless support for ExpressCard slot using the TPS2231/TPS2236 power interface switch
- Integrated REFCLK buffers for switch downstream ports
- Built-in adaptive equalizer in each of the four ports
- Wake-event and beacon support
- Support for D1, D2, D3hot, and D3cold
- Low-power PCI express transmitter mode (pre-emphasis disabled)
- Advanced error reporting
- 3.3 V multifunction I/O pins (e.g. for hot-plug status-and-control, or general-purpose I/Os)
- Listed in PCI-SIG PCI Express Integrators List



▲ Express Card Adapter Kit

▲ For more information on the XIO3130, go to www.ti.com/sc/device/XIO3130

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