PXIe-PCIexxxx

PCI EXPRESS CONTROL OF PXI EXPRESS MAINFRAMES

FEATURES

x16, x8, or x1 Gen2 PCI Express control of PXI Express

Max theoretical throughput up to 8GB/s

Practical sustained throughput up to 5.6 GB/s

Support multiple chassis with common PCIe controller

Software transparent link that requires no programming

Support peer to peer data transfer between chassis

Cabling up to 7m

VTI Instruments

OVERVIEW

The MXI-Express for PXI Express controllers features a fully transparent, high-bandwidth, cabled PCI Express link for which all PXI and PXI Express modules appear as PCI boards within the computer itself. The controller uses a x16 (PXIe-PCIe8388), x8 (PXIe-PCIe8381) or x1 (PXIe-PCIe8362) Gen2 cabled PCI Express link to connect a PXI Express chassis to a host PC. This kit includes a PCIe board in the PC that is connected via a cabled PCI Express copper cable to a PXI Express module in slot 1 of a PXI Express chassis.

Multichassis PXI Systems

These controllers also feature options that allow users to create multi-chassis systems. The PXIe-PCIe8362 contains two front panel connectors to cable PCI Express that can be used to simultaneously control two PXI Express systems. You also can incorporate multiple PCIe-8362 boards in a PC with multiple PCI Express slots to add PXI Express chassis to a system.

The PXIe-8384 can be used in a peripheral slot of a CMX chassis for interfacing to additional PXI Express chassis. Peer-to-peer data transfers can be achieved using this configuration. For example, modules can stream data from one chassis to another without requiring host-PC intervention.

Detailed Specifications

	PXIE-PCIE8388	PXIE-PCIE8381/84	PXIE-PCIE8361
PCI Express Communication Technology	x16 PCI Express 2.0	x8 PCI Express 2.0	Single user licen
Practical Throughput	5.6 GB/s	3.2 GB/s	208 MB/s
Max cable length	3 m	7 m	7 m
Operating temperaturer	0 to 55°C	0 to 55°C	0 to 55°C
Relative Humidity	10 to 90% non-condensing	10 to 90% non-condensing	10 to 90% non-condensing
Storage temperature	-20 to 70°C	Single user licen	Single user licen

Notes:

1)   All specifications are typical unless otherwise stated as a minimum or maximum.

2)   For current detailed specification please refer to the on-line manual at www.vtiinstruments.com.

3)   All specifications subject to change without notice.

4)   All specifications assume within 24 hours and 5°C of self-calibration temperature unless otherwise specified

5)   Distributed product. These products are manufactured and supported by other leading vendors.

Ordering Information

PXIE-PCIE8388	PCI Express (x16 Gen 2) Control of PXI Express, 5.6 GB/s Practical Throughput
PXIE-PCIE8381	PCI Express (x8 Gen 2) Control of PXI Express, 3.2 GB/s Practical Throughput
PXIE-PCIE8361	PCI Express (x1 Gen 1) Control of PXI Express, 208 MB/s Practical Throughput
PXIE-8384	Multi-chassis extension card
RELATED PRODUCTS	
CMX09	9-slot, 3U PXI Express Chassis
CMX18	18-slot, 3U PXI Express Chassis

R E L I A B L E   D A T A   F I R S T   T I M E   E V E R Y   T I M E