NI PXIe-PCIe8381, NI PXIe-8384

PCI Express (x8 Gen 2) Control of PXI Express

- Direct PC control of PXI Express systems
- 5 m maximum cable length with rugged latching connectors
- Sustained throughput of 3.2 GB/s per direction
- Software-transparent cabled PCI Express link that requires no programming
- Create multichassis systems using the NI PXIe-8384

Overview

The NI PXIe-PCIe8381 MXI-Express for PXI Express kit 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 NI PXIe-PCIe8381 uses a x8 Gen 2 cabled PCI Express link to connect a PXI Express chassis to desktop PCs. This kit includes an NI PCIe-8381 board in the PC that is connected via a x8 Gen 2 cabled PCI Express copper cable to an NI PXIe-8381 module in slot 1 of a PXI Express chassis.

With the NI PXIe-8384 in the peripheral slot of the NI PXIe-1085 chassis, you can create multichassis PXI systems that use a high-bandwidth (PCI Express x8 Gen 2) link.

PC Compatibility

The NI PXIe-PCIe8381 is designed to be compatible with a wide array of commercially available PCs. NI provides the NI MXI-Express BIOS Compatibility Software to address some of the most common PC limitations related to enumerating complex PCI Express topologies.

Specifications

Specifications Documents

- Specifications
- Data Sheet

Specifications Summary

General

Product Name	PXIe-PCIe8381
Product Type	Controller (Computing Device)

Form Factor	PXI Platform
PXI Bus Type	PXI Express
Part Number	782522-01
Operating System/Target	Real-Time , Linux , Windows
LabVIEW RT Support	Yes
Controller	
Controller Type	Remote
Communication Technology	MXI-Express
Sustained Performance	3.2 GB/s
Cable Material	copper
Maximum Cable Length	5 m
Electric Isolation	No
Maximum Links per Host Card	1
Slot Compatibility	x8 PCI Express , x16 PCI Express
Slot Requirement	1
Physical Specifications	
Maximum Altitude	2000 m

Pricing

Part Number	Description	Est Ship	US Dollars*	Qty
MXI-Express for PXI Express Products				
782522-01	NI PXIe-PCIe8381,x8 Gen2 MXI-Express for PXI Express Interface,3m	16 - 24	$ 2,200.00	0
782361-01	NI PCIe-8381, x8 Gen2 MXI-Express for PXI Express Interface	16 - 24	$ 1,100.00	0
782362-01	NI PXIe-8381, x8 Gen2 MXI-Express for PXI Express Interface	16 - 24	$ 1,100.00	0
782363-01	NI PXIe-8384, x8 Gen2 MXI-Express DaisyChain Interface	16 - 24	$ 1,650.00	0
Accessories				
782317-03	x8 MXI-Express Cable, 3m	16 - 24	$ 220.00	0
782317-05	x8 MXI-Express Cable, 5m	16 - 24	$ 330.00	0

* You have selected Egypt as the country where you will use the product(s). Pricing may have changed since you printed this document on 11/27/2012. Please visit *ni.com* to see current pricing.

Place Order or Obtain Quote

Order Online or by Fax

1 . Navigate to *ni.com/products* and select "Order by Part Number" found under the "Business Center" section.

2 . Once you have added your items to your cart, see the "Your Cart Options" section to place your order, obtain a quote, or print a fax form.

Order by Phone

Call +20-10-400 1649 to place your order or obtain a quote.

Services

System Assurance Programs

Reduce your setup time and total cost of ownership, and get a system you can use out of the box with National Instruments system assurance programs. System assurance programs include:

- Installation and integration test of all individual hardware
- Courtesy installation of system driver sets and application development environments
- Extended warranty and calibration coverage for up to five years
- Custom documentation plus a custom restore and startup utility

This service is only available for PXI, NI CompactRIO, and NI Compact FieldPoint systems.

- Learn More about System Configuration and Deployment Services [http://www.ni.com/services/configuration.htm]
- Customize Your CompactRIO System [http://ohm.ni.com/advisors/crio]
- Customize Your Compact FieldPoint System [http://ohm.ni.com/advisors/cfp]
- Customize Your PXI System [http://ohm.ni.com/advisors/pxi]
- Talk to an Expert about Custom System Configurations [javascript:openCallMeWindowCTA(document.referrer,%20'US')]

Extended Warranties

National Instruments designs and manufactures all products to minimize failures, however unexpected failures can still occur. Extended warranties provide a fixed economical price at the time of system purchase, covering any repair costs for up to three years. In addition, they offer the following benefits:

- Significant cost savings compared to individual repair incidents
- Fault location, diagnostics, and repair by NI any time the system product fails
- All parts and labor costs covered as well as any adjustments needed to restore the hardware to manufacturing specifications

For more information about your warranty options:

- Learn More about Warranty Services [http://www.ni.com/services/warranty.htm]
- Talk to an Expert about Extended Warranties [javascript:openCallMeWindowCTA(document.referrer,%20'US')]
- View Warranty Repair Policies [http://www.ni.com/services/warranty_repair_policies.htm]

Calibration

NI recognizes the need to maintain properly calibrated devices for high-accuracy measurements. NI provides manual calibration procedures, services to recalibrate your products, and automated calibration software to calibrate many NI measurement products.

- Learn More about Calibration Services [http://www.ni.com/services/calibration.htm]

Training

NI training is the fastest, most certain route to productivity with NI tools and successful application development.

- Learn More about NI Training and Certification [http://www.ni.com/training/]
- Find a Course Near You and View Schedules [http://sine.ni.com/apps/utf8/nisv.custed]

Repair Services

Return your registered product under warranty at no additional labor and parts cost. NI offers fault location, diagnostics, and repair any time the system fails as well as any adjustments needed to restore the hardware to manufacturing specifications.

- Learn More about Repair Services [http://www.ni.com/services/warranty.htm]
- Contact NI to Obtain a Return Material Authorization (RMA) Form and Shipping Instructions

- View Your RMA Support Request Status Online [http://www.ni.com/support/servicereq/]
- Register Your Product [http://www.ni.com/register]

Technical Support

ni.com/support [http://www.ni.com/support/]

Resources

Additional Product Information

- Manuals
- Product Certifications (2)

Related Information

- NI MXI-Express BIOS Compatibility Software v1.4.1
- Complete PXI Resources
- Configure a PXI Express System
- MXI-Express Basics
- Tips to Help You Successfully Use NI MXI-Express Controllers