

SCSI Interface for PXI

NI PXI-8214

- Ultra2 SCSI Interface transfers data at rates up to 80 Mbytes/s
- Connect to up to 15 SCSI devices
- Compatible with Fast SCSI (SCSI-2) and Ultra SCSI (SCSI-3), as well as Ultra2 SCSI devices
- Compatible with LVD (Low Voltage Differential) or SE (single ended) cable types
- Compatible with 8 and 16-bit SCSI devices
- Boot support for SCSI hard drive and CD-ROM

Operating Systems

- Windows 2000/NT/XP/9x
- Linux

Recommended Software

- LabVIEW
- LabWindows/CVI
- Measurement Studio for Visual Basic
- VI Logger

Other Compatible Software

- Visual Basic
- C/C++

New



Overview

The National Instruments PXI-8214 is an Ultra2 SCSI interface for PXI based on the LSI53C895A SCSI controller.

The PXI-8214 can transfer data at rates up to 80 Mbytes/s on a low-voltage differential SCSI bus. You can use the PXI-8214 to connect up to 15 hard drives, CD-ROM drives, or other SCSI devices to your PXI system through the high-speed Ultra2 SCSI interface. The PXI-8214 is compatible with Fast SCSI and Ultra SCSI as well as Ultra2 SCSI devices, and accepts both low voltage differential and single ended signaling. Additionally, you can use the PXI-8214 with both 8 and 16-bit devices.

The PXI-8214 is ideal for applications where you need multiple peripheral devices for a PXI system. For example, you can easily interface to multiple hard drives, CD-ROM drives, and scanners using the PXI-8214. Additionally, the high-performance 80 MB/s Ultra2 SCSI interface makes the PXI-8214 ideal for applications that need the highest performance hard drives for continuous 24x7 streaming of data to disk.

Software support for the PXI-8214 is native to Windows XP. Drivers are provided for Windows 2000/NT/9x and Linux.

INFO CODES

For more information or to order products online, visit ni.com/info and enter:

pxi8214

BUY ONLINE!

Ordering Information

NI PXI-8214778503-01
Includes the PXI module and driver software

Specifications

Physical

Complies with PXI Specification and CompactPCI, PICMG 2.0
Compatible with SCSI-1, Fast SCSI, Ultra SCSI, and Wide Ultra SCSI standards

Performance

Fast SCSI (SCSI-2) 8-bit, 10 Mbytes/s
Ultra SCSI (SCSI-3) 8-bit, 20 Mbytes/s
Ultra2 SCSI 16-bit, 80 Mbytes/s

Power Requirements

+3.3 VDC	+5 VDC	Total Power
300 mA max	500 mA max	3.49 W, max

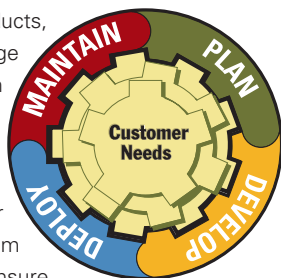
Physical

Dimensions 10.0 by 16.0 cm (3.9 by 6.3 in.), 3U
Weight 130 g (4.6 oz.)
I/O Connectors
External SCSI Shielded 68-pin SCSI-3

For environmental, safety, and EMC/EMI compliance specifications, please refer to the PXI-8214 User Manual.

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