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Find the *National Instruments PCI-8252* at our website: *Click HERE*

IEEE 1394 Interfaces for PCI and PXI/CompactPCI

NI PCI-8252, NI PXI-8252

- 3 IEEE-1394a (FireWire) ports
- OHCI v1.0 compliant
- Up to 400 Mb/s of data transfer
- Up to 12 W of power for 1394 devices
- Ideal for image acquisition from IEEE-1394 cameras

Operating Systems
- Windows 2000/XP/Me/98

Recommended Software
- LabVIEW
- Measurement Studio

Driver Software
- NI-IMAQ for IEEE 1394



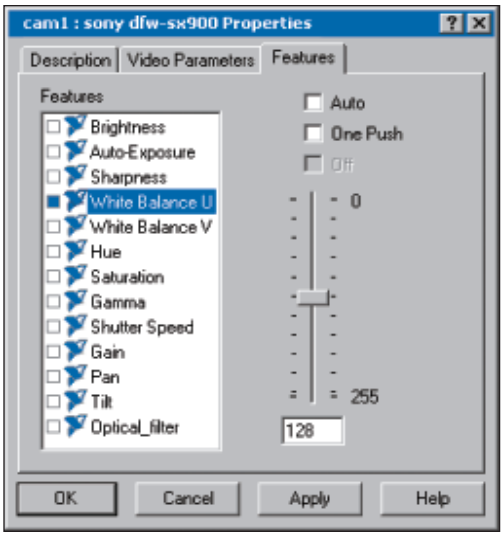
Overview

The National Instruments 8252 devices are OHCI compliant IEEE 1394a interfaces that run natively in Windows 2000/XP/Me/98. The IEEE 1394a standard offers up to 400 Mb/s bandwidth. Three direct-connect IEEE 1394 ports are provided, but more 1394 devices can be added with the addition of IEEE 1394 hubs. An important application of these devices is collection of images from IEEE 1394 cameras.

NI-IMAQ for IEEE 1394

NI-IMAQ for IEEE 1394 offers a mobile, easy-to-use solution for acquiring images from IEEE 1394 cameras. The driver software integrates with NI Measurement & Automation Explorer, so you can easily configure your camera. You can also quickly set up your system by connecting a FireWire camera to your computer and immediately begin acquiring images. With a set of easy-to-use programs, you can quickly create applications in LabVIEW or Measurement Studio, by creating VIs or directly accessing the C library functions.

NI–IMAQ for IEEE 1394 cameras is compatible with IIDC-compliant cameras that output noncompressed video data. You can connect a maximum of 16 cameras up to your system and acquire from each one. Advanced functionality includes the ability to query the camera for on board parameters and programmatic parameter changing on the fly.



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IEEE 1394 Interfaces for PCI and PXI/CompactPCI

Specifications

Performance ..... IEEE 1394a-1995, S100, S200, S400 transfer rates (Actual 1394 transfer rates are system dependent)

Power Requirements (maximum)

PCI

Supply Voltage (V)	Supply Current (mA)
5	7
12	60

PXI

Supply Voltage (V)	Supply Current
3.3	315 mA
5	1.8 A
12	400 mA

Physical

Dimensions
- PCI ..... 7.2 by 12 cm (2.8 by 4.8 in.)
- PXI ..... 10.0 by 16.0 cm (3.9 by 6.3 in.)

IO Connectors ..... Standard IEEE 1394 Female, 6-pin (3)

Operating Environment

Ambient Temperature ..... 0 to 55ºC
Relative Humidity ..... 10 to 90%, noncondensing

1394 Bus Power

PCI
- Total power available ..... 12 W
- Maximum power per port ..... 9.6 W

PXI
- Total power available ..... 12 W
- Maximum power per port ..... 12 W

Storage Environment – PCI

Ambient Temperature ..... 0 to 55ºC
Relative Humidity ..... 10 to 90%, noncondensing

Storage Environment – PXI

Ambient Temperature ..... -20 to 70ºC
Relative Humidity ..... 5 to 95%, noncondensing

For safety and EMC/EMI compliance specifications, please refer to the Declaration of Conformity at ni.com.

Ordering Information

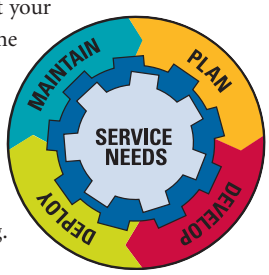
NI PCI-8252 and NI-IMAQ for IEEE-1394 779024-01
NI PXI-8252 778925-01
NI PXI-8252 and NI-IMAQ for IEEE-1394 778926-01
NI-IMAQ for IEEE 1394..... 778413-01

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Hardware Services

NI Factory Installation Services

NI Factory Installation Services (FIS) is the fastest and easiest way to use your PXI or PXI/SCXI™ combination systems right out of the box. Trained NI technicians install the software and hardware and configure the system to your specifications. NI extends the standard warranty by one year on hardware components (controllers, chassis, modules) purchased with FIS. To use FIS, simply configure your system online with ni.com/pxiadvisor.

Calibration Services

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