

## NI PCIe-8253

### IEEE 1394b Interface

- 3 IEEE 1394b camera input ports (use hubs to further expand number of cameras)
- 18 W of IEEE 1394 bus power shared by all ports
- NI Vision Acquisition Software for acquiring from IEEE 1394 and other cameras
- RoHS compliance



### Overview

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The NI PCIe-8253 is an IEEE 1394b interface for FireWire® cameras in PC-based systems. The board supports both Windows and real-time OSs.

The IEEE 1394b standard, with up to 800 Mbits/s of bandwidth, is ideal for high-data-rate machine vision applications. The NI PCIe-8253 powers and acquires from cameras through three IEEE 1394b camera input ports. You can connect hubs to any of the ports to acquire from many more cameras.

This PCI Express board is RoHS compliant.

FireWire is a trademark of Apple, Inc., registered in the U.S. and other countries.

### Specifications

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#### Specifications Documents

- Specifications

#### Specifications Summary

General	
Product Name	NI PCIe-8253
Product Family	Frame Grabbers
Form Factor	PCI Express
Operating System/Target	Real-Time , Windows
Included Vision Software	Vision Acquisition Software
Product Certifications	CE , FCC Part 15 , ICES , IEC , RoHS , UL - Product Safety , WEEE , CAN/CSA

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**Camera Connectivity**

<b>Camera Interface</b>	IEEE 1394
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<b>Number of Camera Input Ports</b>	3
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<b>IEEE 1394 Standard</b>	IEEE 1394b
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**Physical Specifications**

<b>Length</b>	9.9 cm
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<b>Width</b>	12.2 cm
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<b>Height</b>	0 cm
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<b>Minimum Operating Temperature</b>	0 °C
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<b>Maximum Operating Temperature</b>	55 °C
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