

# NI PCI/PXI-8252 Specifications



**Caution** Misuse of this equipment may impair the protection features included.

## Physical

### Dimensions

PXI ..... 16.0 × 10.0 cm (6.3 × 3.9 in.), 3U

### Connector

1394 ..... Female, 6 pin (3)

PXI ..... 32-bit, Universal Signaling

### Signaling

PXI  $V_{io}$  ..... 3.3 V/5 V (Universal), 33 MHz

1394 ..... IEEE 1394a-1995 S100, S200, S400 transfer rates, OHCI v1.0 software interface. Actual 1394 transfer rates are system dependent.

### Power Consumption

Typical ..... 140 mA at 3.3 V

Theoretical maximum ..... 315 mA at 3.3 V  
1.8 A at 5.0V  
400 mA at 12 V

### Bus Power

1394 ..... 12 V ±10%, 12 W total, can be divided among 1394 ports

## Operating Environment

Ambient temperature range .....	0 to 55 °C (Tested in accordance with IEC-60068-2-1 and IEC-60068-2-2.)
Operating relative humidity .....	10 to 90%, noncondensing (Tested in accordance with IEC-60068-2-56.)
Altitude .....	2000 m (at 25 °C ambient temperature)
Pollution Degree .....	2
Indoor use only.	

## Storage Environment

Ambient temperature range .....	-20 to 70 °C (Tested in accordance with IEC-60068-2-1 and IEC-60068-2-2.)
Storage relative humidity .....	5 to 95%, noncondensing (Tested in accordance with IEC-60068-2-56.)

## Shock and Vibration

Operational shock .....	30 g peak, half-sine, 11 ms pulse (Tested in accordance with IEC-60068-2-27. Test profile developed in accordance with MIL-PRF-28800F.)
Random vibration	
Operating .....	5 to 500 Hz, 0.3 g <sub>rms</sub>
Nonoperating .....	5 to 500 Hz, 2.4 g <sub>rms</sub> (Tested in accordance with IEC-60068-2-64. Nonoperating test profile exceeds the requirements of MIL-PRF-28800F, Class 3.)

## Safety

This product is designed to meet the requirements of the following standards of safety for electrical equipment for measurement, control, and laboratory use:

- IEC 61010-1, EN 61010-1
- UL 3111-1, UL 61010B-1
- CAN/CSA C22.2 No. 1010.1



**Note** For UL and other safety certifications, refer to the product label, or visit [ni.com/hardref.nsf](http://ni.com/hardref.nsf), search by model number or product line, and click the appropriate link in the Certification column.



**Note** The protection provided by this equipment may be impaired if it is used in a manner not described in this document.

## Electromagnetic Compatibility

Emissions .....	EN 55011 Class A at 10 m FCC Part 15A above 1 GHz
Immunity .....	EN 61326:1997 + A2:2001, Table 1
EMC/EMI.....	CE, C-Tick, and FCC Part 15 (Class A) Compliant



**Note** For EMC compliance, you *must* operate this device with shielded cabling.

## CE Compliance

This product meets the essential requirements of applicable European Directives, as amended for CE marking, as follows:

Low-Voltage Directive (safety) ..... 73/23/EEC

Electromagnetic Compatibility  
Directive (EMC) ..... 89/336/EEC



**Note** Refer to the Declaration of Conformity (DoC) for this product for any additional regulatory compliance information. To obtain the DoC for this product, visit [ni.com/hardref.nsf](http://ni.com/hardref.nsf), search by model number or product line, and click the appropriate link in the Certification column.

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371059A-01

Feb04