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PCI-8252

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 _{rms}
Nonoperating	5 to 500 Hz, 2.4 g _{rms} (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, 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, search by model number or product line, and click the appropriate link in the Certification column.

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If you have searched the technical support resources on our Web site and still cannot find the answers you need, contact your local office or National Instruments corporate. For telephone support in the United States, dial 512 795 8248. For telephone support outside the United States, contact your local branch office:

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