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Find the *National Instruments PXI-8430/8* at our website: *Click HERE*

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NI PXI-8430/4 (RS232)

High-Performance, 4-Port Serial Interface for PXI

- Compatible with Windows and LabVIEW Real-Time OSs
- Minimal CPU overhead with high-speed DMA interface; multicore processor and hyperthreading support
- Flexible standard and nonstandard baud rates from 57 baud to 1,000,000 baud
- 128 B transmit and receive FIFOs
- 4 converter cables (10P10C (RJ50) to DB9 male)



Overview

The NI PXI-8430/4 is a high-performance, 4-port serial interface for high-speed communication with RS232 devices at rates of up to 1 Mbit/s. High-performance RS232 interfaces are also available with two ports. The PXI-8430/4 offers flexible baud rates for data transmissions between 57 baud and 1,000,000 baud to within 1 percent accuracy for nonstandard baud rates and 0.01 percent accuracy for standard baud rates.

With the high-performance DMA engine, you achieve high throughput with minimal CPU usage. Using memory mapping, you can connect to more communication points without resource conflicts. National Instruments also offers easy-to-use powerful software that significantly reduces your development time for systems using serial communication with the PXI-8430/4.

The PXI-8430/4 includes four converter cables (10P10C (RJ50) to DB9 male).

Specifications

Specifications Documents

- Specifications

Specifications Summary

General	
Product Name	PXI-8430/4 RS232 Serial Interface, 4-Port
Product Family	Serial
Form Factor	PXI Platform
PXI Bus Type	PXI Hybrid Compatible
Part Number	778983-01

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Operating System/Target	Real-Time , Windows
LabVIEW RT Support	Yes
Voltage	5 VDC
Current	400 mA
Source	Internally Powered
Power Requirement for +3.3V Rail	0 A
Power Requirement for +5V Rail	600 mA
Power Requirement for +12V Rail	0 A
Power Requirement for -12V Rail	0 A
Slot Two Module	No
Module Width	1
MXI Compatible	Yes
Serial Standard Compatibility	RS-232
Port Information	
Number of Ports	4
Max Cable Length	15.6 m
I/O FIFO Buffer Size	128 B
Max Device Connections / Port	1
Handles RTS/CTS Handshake Lines	Yes
Interrupt Sharing Between Ports	Yes
Direct Memory Access (DMA)	Yes
Physical Specifications	
Length	16 cm
Width	10 cm
I/O Connector	10-position modular jack
Minimum Operating Temperature	0 °C
Maximum Operating Temperature	55 °C

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