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

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NI PXI-8430/8 (RS232)

High-Performance, 8-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
- 1 breakout cable (SCSI-68 to eight DB9 male)



Overview

The NI PXI-8430/8 is a high-performance, 8-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 in 2- and 4-port versions. The PXI-8430/8 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. With hyperthreading and multiprocessor compatibility, you can take advantage of the latest PC technology for higher speeds and better efficiency. National Instruments also offers easy-to-use, powerful software that significantly reduces your development time for systems that use serial communication with the PXI-8430/8.

The PXI-8430/8 includes one 8-port breakout cable (SCSI-68 to eight DB9 male).

Specifications

Specifications Documents

- Specifications (2)

Specifications Summary

General	
Product Name	PXI-8430/8 RS232 Serial Interface, 8-Port
Product Family	Serial
Form Factor	PXI Platform
PXI Bus Type	PXI Hybrid Compatible
Part Number	779536-01

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Operating System/Target	Real-Time , Windows
LabVIEW RT Support	Yes
Voltage	5 VDC
Current	1 A
Source	Internally Powered
Power Requirement for +3.3V Rail	0 A
Power Requirement for +5V Rail	1.5 A
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	8
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	9-pin D-Sub (DB-9)
Minimum Operating Temperature	0 °C
Maximum Operating Temperature	55 °C

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