

[NI Home](#) > [Products & Services](#) > [GPB, Serial, and Instrument Control](#) > [Serial Interfaces \(RS232 and RS485\)](#) > [PCIe Serial Interfaces](#) > 16-Port, RS-232**Serial Interfaces (RS232 and RS485)**▶ [CompactRIO Serial Interfaces](#)▼ [PCIe Serial Interfaces](#)▶ [2-Port, RS-232](#)▶ [8-Port, RS-232](#)▶ [16-Port, RS-232](#)▶ [2-Port, RS-232, Isolated](#)▶ [2-Port, RS-485](#)▶ [8-Port, RS-485](#)▶ [16-Port, RS-485](#)▶ [2-Port, RS-485, Isolated](#)▶ [PCI Serial Interfaces](#)▶ [PXIe Serial Interfaces](#)▶ [PXI Serial Interfaces](#)▶ [USB Serial Interfaces](#)▶ [Ethernet Serial Interfaces](#)▶ [PCMCIA Serial Interfaces](#)▶ [ExpressCard Serial Interfaces](#)▶ [Serial Cables and Accessories](#)**NI PCIe-8430/16 (RS232)**

High-Performance, 16-Port RS232 Interface for PCI Express

[Zoom/Alternate Images](#)[Starting at](#)([view pricing options](#))

- Compatible with Windows and LabVIEW Real-Time OSs
- Flexible standard and nonstandard baud rates from **2 baud** to **1,000,000 baud**
- Better than 0.015 percent accuracy for standard baud rates and 0.5 percent for nonstandard rates
- High-speed DMA interface and 128 B transmit and receive FIFOs minimize CPU overhead
- Includes two 8-port breakout cables (68-pin VHDCI to eight D-Sub 9-pin male ports)
- NI-Serial driver includes free NI-VISA API for easy programming

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Specifications Summary

General	
Form Factor	PCI Express
Product Family	Serial
Operating System / Target	Real-Time Windows
Serial Standard Compatibility	RS-232
Serial Max Baud Rate	1000 kbits / s
Port Information	
Number of Ports	16
Max Device Connections / Port	1
Handles RTS / CTS Handshake Lines	Yes
Interrupt Sharing Between Ports	Yes
Direct Memory Access (DMA)	Yes
Power Requirements	
Voltage	3.3 VDC 12 VDC
Current	210 mA
Source	Internally Powered
Physical Specifications	
Operating Temperature	0 °C - 55 °C
I / O Connector	68-pin VHDCI female
Length	11.12 cm
Width	17.53 cm

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Serial Interfaces (RS232 and RS485)

▶ CompactRIO Serial Interfaces

▼ PCIe Serial Interfaces

▶ 2-Port, RS-232

▶ 8-Port, RS-232

▶ 16-Port, RS-232

▶ 2-Port, RS-232, Isolated

▶ 2-Port, RS-485

▶ 8-Port, RS-485

▶ 16-Port, RS-485

▶ 2-Port, RS-485, Isolated

▶ PCI Serial Interfaces

▶ PXIe Serial Interfaces

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▶ Serial Cables and Accessories

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Overview

Specifications

Pricing

Resources

NI PCIe-8430/16 and Accessories

NI PCIe-8430/16 - 780591-02

Qty

Optional Accessories

[RS232 Null-Modem Cable \(1m\) - 182238-01](#)Select length:

Qty

[RS232 Straight-Through Cable \(1m\) - 183045-01](#)Select length:

Qty

RS232 Serial Cable, 68 POS VHDCI to 8 DB-9, 1m - 197545-01

Qty

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