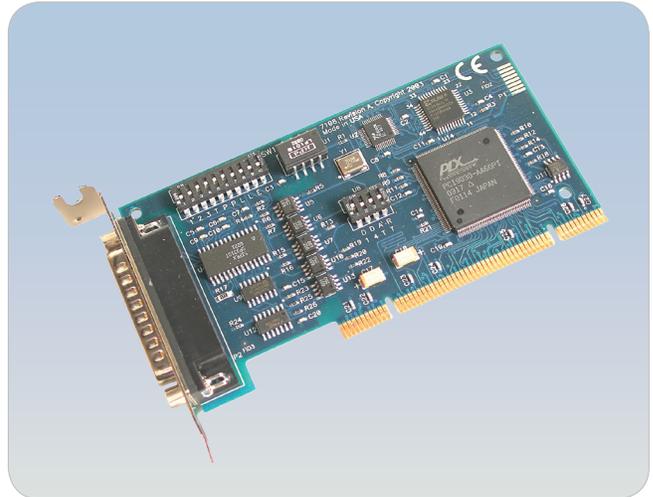# Asynchronous Serial PCI

Low Profile PCI RS-232, RS-422, RS-485 Isolated Serial Interface

Item # 7108

The 7108 Low Profile PCI serial interface provides one optically isolated serial port configurable for RS-232, RS-422, or RS-485. The board is capable of data rates to 921.6K bps and automatically handles RS-485 transmitter enable/disable. The 7108 utilizes a 16C850 UART to provide 128-byte Tx/Rx FIFOs for maximum reliability in data intensive applications. The board is MD1 Low Profile and Universal Bus (3.3V and 5V) compatible and ordering options allow the choice of UARTs for custom baud rates and 9-bit protocols. The 7108 is for use in Low Profile PCI slots only. If you have a standard size PCI slot order item # 7108S.

Unique Features

▸ Configurable for RS-232, RS-422, or RS-485
▸ Optical isolation provides protection against transients and ground loops
▸ 16C850 buffered UART with 128-byte FIFOs
▸ Data rates to 921.6K bps
▸ MD1 Low Profile and Universal Bus (3.3V and 5V) compatible
▸ Automatic RS-485 enable/disable
▸ DB-25M connector

Technical Specifications

Number of Ports	1
Communications Chip	16C850
Max Data Rate	921.6K bps
Max Data Distance	4000 feet
Operating Temperature	0 - +70° C
Storage Temperature	-50° - +105° C
Humidity Range	10 - 90% R.H.

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