Low Profile PCI 1-Port RS-232, RS-422, RS-485 Isolated Serial Interface

Part: 7108 | **Model:** Ultra COMM+I.LPCI

The 7108 Low Profile PCI serial interface provides one optically isolated serial port configurable for RS232, 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 Sealevel SeaCOM software driver and utilities make installation and operation easy using Microsoft Windows or Linux operating systems.

The 7108 is compatible with any low profile PCI slot. If you have a standard size PCI slot, be sure to select the standard profile bracket.

Features & Specifications
Low Profile PCI 1-Port RS-232, RS-422, RS-485 Isolated Serial Interface

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Features

- Compliant with RoHS and WEEE directives
- 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

Specifications

Communications Chip	16C850
Electrical Interface	RS-232, RS-422, RS-485
Humidity Range	10 – 90% Relative Humidity, Non-Condensing
Host Interface(s)	PCI
Max Data Distance	4000 feet
Max Data Rate	921.6K bps
Optically Isolated	Yes
Operating Temperature	0°C to 70°C (32°F to 158°F)
PC Bracket	Low Profile
# of Ports	1
RoHS Compliant	Yes
Serial Connector(s)	DB25M
Storage Temperature	-50°C to 105°C (-58°F to 221°F)
UART Series	850 UART