

2-port RS-232/ current-loop PCI-interface board with optical isolation

- Each port can be individually configured to RS-232 or Current-loop
- 128-byte FIFO UART
- PCI bus spec. 2.2 compl. 3.3V or 5V PCI bus signal
- RS-232 speed: 50 bps - 230.4 Kbps
- Current-loop: 57.6 Kbps
- I/O address automatically assigned: PCI Plug&Play
- Interrupt status register for increased performance
- OS supported: Windows 98/ME/2000/XP, Linux



Description:

The communication card provides two isolated RS-232 or current loop serial ports. You can configure each port individually to the popular RS-232 or noise resistant current loop using on-board jumpers. The card utilizes 16PC1952 UART that buffers data into packets before putting it on the bus. This drastically reduces CPU load and avoids data loss when the system is busy and cannot process the interrupt quickly. This is suitable for high speed serial I/O under windows. Optical isolators protect the PC and equipment against damage from ground loop, increasing system reliability in harsh environment.

Application:

- Data acquisition
- Industrial serial communication
- Industrial process control

Specification:

Bus-Interface: PCI bus spec. 2.2 compl.

PCI-Interface: PCI universal card
all ports use the same IRQ assigned by PCI plug and play

Data Bits: 5, 6, 7, 8

Stop Bits: 1, 1.5, 2

Parity: none, even, odd

Communication controller: 16PC1952

Isolation protection: 3000 V

ESD protection: 16 kV

RS-232:

Speed (bps): 50 -230.4 Kbps

Data Signals:

RS-232: TxD, RxD, RTS, CTS, DTR, DSR, DCD, RI

CURRENT LOOP INTERFACE:

Signal Driver-Receiver: 6N136

Signals: TxD+, TxD-, RxD+, RxD-

Current: 20 mA (standard)

Mode: Asynchronous, full duplex

Baud rate: 50 to 57.6 Kbps

Transmission distance: 1000 m

Power Requirement: +5V (250-300 mA)

Dimension: 123 mm x 92 mm

Operating Temperature: 0°~ 65°

Operating Humidity: 5~95%

Driver Support:

Windows 98/ME/2000/XP and Linux

Order information:

PCI-1603

2-port RS-232
Current loop PCI board
with isolation