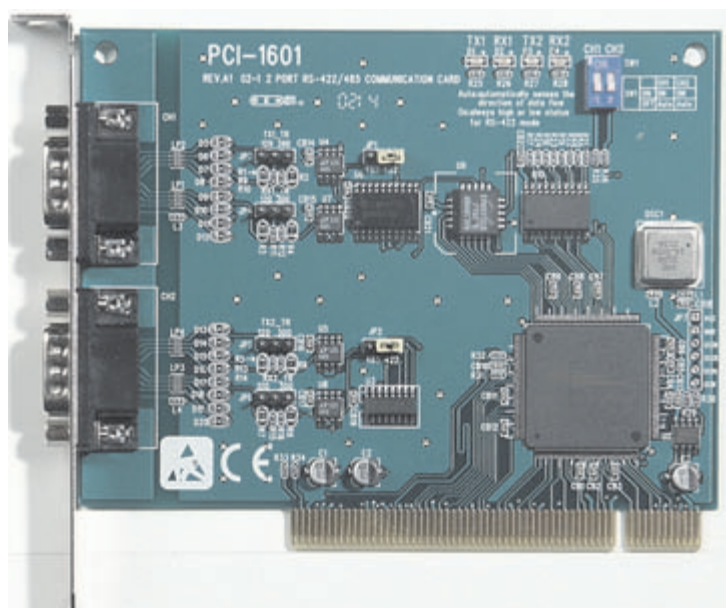


2-port RS-422/485 PCI interface board with/without isolation and surge protection

- with or without optical isolation and surge protection
- PCI bus spec.2.1 compliant
- I/O address automatically assigned by PCI plug&play
- Automatic RS-485 data flow control
- Powerful and easy to use Utility (ICOM Tools)
- Supported Windows 95/98 NT/2000/XP and Linux



Description:

The 2-port RS-422/485 communication cards are compatible with the PCI 2.1 bus specification. The cards also come with high-performance 16PCI952 UART with a 128-byte FIFO to reduce CPU load. Both cards provide two optional isolated and surge protected RS-422/485 ports, and come with features such a high transmission speed of 921.6 Kbps. PCI-1602 is available with 3000 Vdc optical isolation to protect the PC against damages from ground loops in harsh environments. To further increase reliability, both boards has surge protection technology, protecting the system from abrupt high voltages up to 2500 Vdc.

Applications:

- Data acquisition
- Industrial serial communication
- Industrial process control
- SPS-interface

Specification:

BUS-Interface: PCI-bus spec.2.1 compl.
 IRQs: 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
 Communications Controller: 16PCI954
 Speed (bps): 50 ~ 921.6 Kbps
 Data Signals: Tx+, Tx-, Rx+, Rx-, RTS+, RTS-, CTS+, CTS-, GND
 RS-422: Data+, Data-, GND
 FIFO: 128 bytes
 Optional Surge Protection: 2500 VDC
 Optional optical Isolation: 3000 VDC
 ESD Protection: 16 KV
 Software: ICOM Tools
 Driver Support: Windows 98/ME/2000/XP und Linux
 Dimension: 123 x 92 mm
 Operation Voltage: +5 V +/- 5% from PC
 Power Consumption:
 PCI-1601: 220mA/+12V 270mA/+5V
 PCI-1602: 250mA/+12V 300mA/+5V
 Operating Temperature: 0°C ~ 65°C
 Operating Humidity: 5% ~ 95%, Relative Humidity, non condensing

Order information:

PCI-1601A
 2-port RS-422/485 interface board
PCI-1601B
 2-port RS-422/485 interface board with surge protection
PCI-1602A
 2-port RS-422/485 interface board with isolation
PCI-1602B
 2-port RS-422/485 interface board with isolation and surge protection