

Innovative I/O

Sealevel Isolated products provide immunity from spikes and ground loop current. Our implementation goes a step beyond normal products by isolating not only the PC, but also each port with true port to port isolation.

PCI Isolated 1 Port RS-232/422/485 Interface

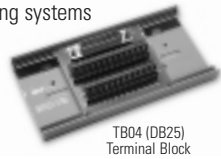
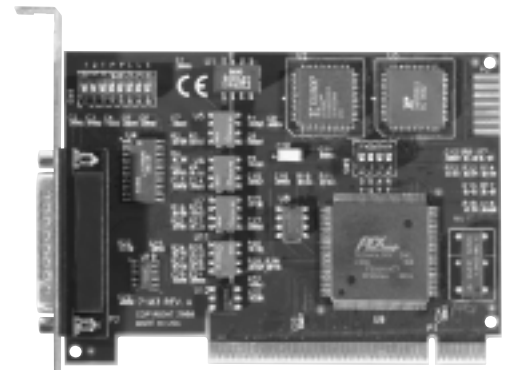


ISO COMM1.PCI

The ISO COMM1.PCI board provides a single field selectable Isolated RS-232/422/485 serial port for control and automation applications. Configure the port as RS-232, RS-422, or RS-485 to suit your application needs.

Unique Features

- Field selectable interface providing true optical isolation
- Automatically handles RS-485 enable and disable
- 16850 buffered UART(s) standard with deep 128 byte FIFO supporting PC data rates up to 460.8K bps
- Isolated circuitry provides immunity from ground current and surges
- Includes Windows advanced COM: drivers, utilities, INF files and help files to simplify installation
- Supports Windows, Linux, QNX, DOS, and other operating systems



ORDERING INFORMATION

Description	Part No.	Price
1 Port Isolated RS-232/422/485	7103	\$229.00
<u>Cable Options</u>		
DB25 Terminal Block	TB04	\$29.95
TB04 and CA104 Kit	KT104	\$36.95
DB25F/25M Cable	CA104	\$7.95
DB25F/9M Cable	CA175	\$9.95
<small>(Sealevel DB9 RS-422 pinout)</small>		



Technical Specifications

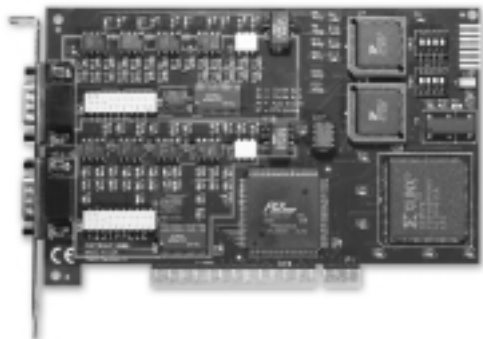
Communications chip16850
 Number of ports1
 Max. data rate460K RS-422/485
 Max. data distanceup to 4000 ft.
 Operating temperature0-50° C
 Storage temperature-20-70° C
 Humidity range10-90% R.H.
 Current specifications+5V @ 380mA
 Connector(s)(1) DB25P
 Physical dimensions4.90" L x 3.5" H (12.45 x 8.89 cm)

PCI Isolated 2 Port RS-232/422/485 Interface

NEW
PRODUCT

ISO COMM2.PCI

The ISO COMM2.PCI board provides two field selectable Isolated RS-232/422/485 serial ports for control and automation applications. Configure the ports as RS-232 when highly reliable standard serial ports are required. Choose RS-422 for long distance device connections up to 4000ft. where noise immunity and high data integrity are essential. Select RS-485 and capture data from multiple peripherals in a RS-485 multidrop network.



TB06 (Dual DB9) Terminal Block

Unique Features

- Field selectable interface providing true port to port optical isolation
- Automatically handles RS-485 enable and disable
- 16850 buffered UART(s) standard with deep 128 byte FIFO supporting PC data rates up to 460.8K bps
- Isolated circuitry provides immunity from ground current and surges

ORDERING INFORMATION

Description	Part No.	Price
2 Port Isolated RS-232/422/485	7203	\$329.00
Cable Options		
DB9 Terminal Block	TB05	\$19.95
Dual DB9 Terminal Block	TB06	\$24.95
TB05 and CA127 Kit	KT105	\$28.95
TB06 and (2) CA127	KT106	\$43.95
DB9F/25M Modem Cable	CA177	\$7.95
DB9F/25M RS-530 Cable	CA176	\$9.95

Technical Specifications

Communications chip.....16850
 Number of ports.....2
 Max. data rate.....460K RS-422/485
 Max. data distance.....up to 4000 ft.
 Operating temperature.....0-50° C
 Storage temperature.....-20-70° C
 Humidity range.....10-90% R.H.
 Current specifications.....+5V @ 480mA
 Connector(s)..... (2) DB9P
 Physical dimensions.....6.5" L x 4.2" H (16.51 x 10.67 cm)

ISA Isolated 2 Port RS-422/485 Interface

ULTRA SIO

The Sealevel Systems ULTRA SIO provides the PC with two Isolated RS-422/485 Asynchronous links to data collection and other devices. Isolation is important in installations where the equipment connected to the PC is either located far from the host system, or on a different power transformer circuit. The optical isolation feature of the ULTRA SIO eliminates the risk of Ground Loop Current, a commonly neglected and mis-understood phenomenon which leads to data errors and the destruction of communications equipment.

Unique Features

- True port to port isolation
- Automatic control of RS-485 driver enable
- Selectable COM: port address
- Selectable and sharable IRQ (2-7, 10-12, 14 and 15)
- Compatible with existing communication drivers
- 16-bit addressing eliminates I/O conflicts
- Selectable termination, echo mode, two/four wire operation
- DB-9P connectors providing TD, RD, RTS and CTS
- Includes Windows Advanced COM: drivers, utilities, INF files and help files to simplify installation
- Supports Windows, Linux, QNX, DOS and other operating systems

ORDERING INFORMATION

Description	Part No.	Price
2 Port Non Isolated RS-422/485	3089	\$219.00
2 Port Isolated RS-422/485	3189	\$289.00
w/16850 UART	3X89-SE	+\$20.00
Cable Options		
DB9 Terminal Block	TB05	\$19.95
Dual DB9 Terminal Block	TB06	\$24.95
TB05 and CA127 Kit	KT105	\$28.95
TB06 and (2) CA127	KT106	\$43.95
DB9F/25M RS-530 Cable	CA176	\$9.95



Technical Specifications

Communications chip16550 UART
 Number of ports2
 IsolationTrue 500V DC isolation
 Max. data rate115K bps
 Max. data distanceUp to 4000 ft.
 RS-485 operationTwo or four wire
 Operating temperature . . .0-50° C
 Storage temperature . . . -20-70° C
 Humidity range10-90% R.H.
 Current specifications
 Part No. 3089+5V @ 440mA
 Part No. 3189+5V @ 600mA
 Connector(s)(2) DB9P
 Physical dimensions7.35" L x 4.2" H (18.67 x 10.66 cm)

