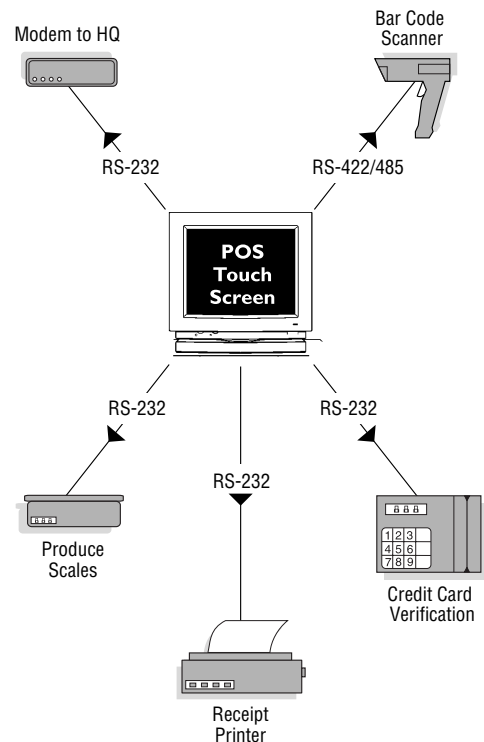
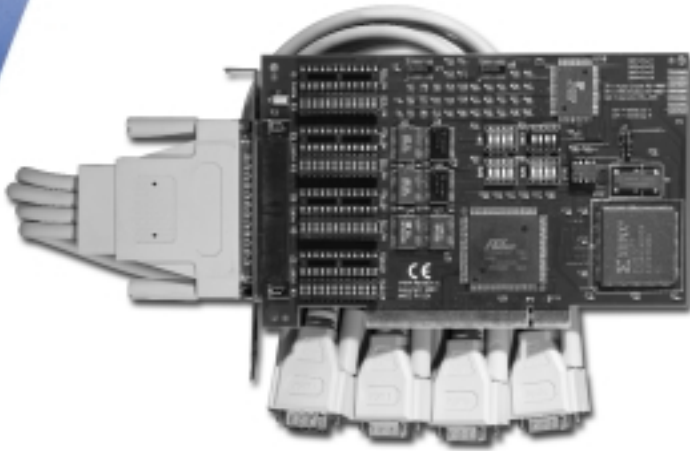


Innovative I/O

Sealevel was the first company to offer field selectable "Combo" interface boards and now has extended the family to include PCI and USB products.

RS-232/422/485 Serial I/O Combination Interface

Sealevel Combo boards provide one or more field selectable RS-232/422/485 ports. Field selectability allows each port to be easily configured as RS-232, RS-422, or RS-485. Ports can even be mixed in any of the interface combinations to benefit systems with limited expansion.



PCI I Port RS-232/422/485/530 Interface

ULTRA 530.PCI

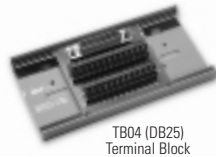
The ULTRA 530.PCI board provides a single field selectable serial port supporting RS-232/422/485/530 electrical interfaces. Select RS-232 when highly reliable standard serial ports are required. Choose RS-422 for long distance device connections up to 4000ft. where noise immunity and high data integrity is required. Select RS-485 to capture data from multiple peripherals in a RS-485 multidrop network. Order part number 7101-SN to support isochronous data rates up to the speed of the supplied clock. With this option, asynchronous COM: software can be used to communicate over a digital line.

Unique Features

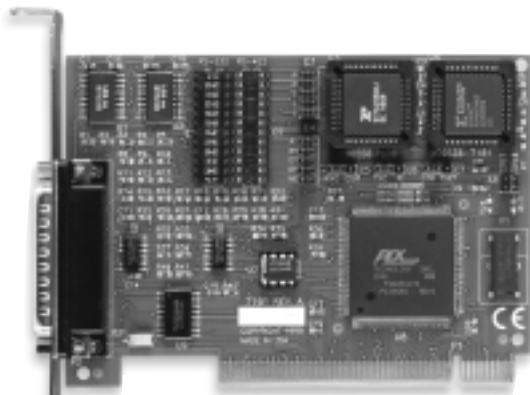
- Field selectable interface
- Automatically handles RS-485 enable and disable

ORDERING INFORMATION

Description	Part No.	Price
1 Port PCI RS-232/422/485/530	7101	\$169.00
w/16850 UART	7101-SN	\$176.00
Cable Options		
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>		



TB04 (DB25) Terminal Block



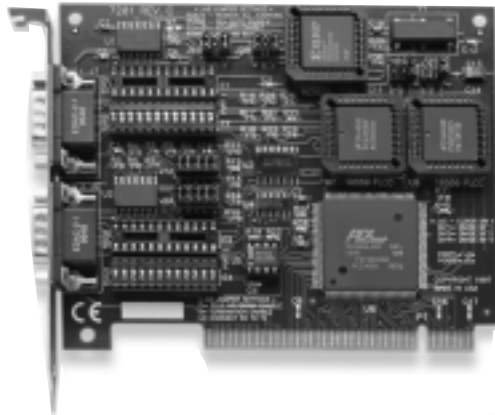
Technical Specifications

Communications chip16550
 Number of ports1
 Max. data rate460K
 Max. data distanceup to 4000 ft.
 Operating temperature0-50° C
 Storage temperature-20-70° C
 Humidity range10-90% R.H.
 Current specifications+5V @ 480mA, +12V @ 50mA
 Connector(s)(1) DB25P
 Physical dimensions4.90" L x 3.5" H (12.45 x 8.89 cm)

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

ULTRA COMM+2.PCI

The ULTRA COMM+2.PCI provides two field selectable RS-232/422/485 serial ports for control and automation applications.



Unique Features

- Field selectable interface
- Automatically handles RS-485 enable and disable
- Optional Terminal Block kits available



TB06 (Dual DB9) Terminal Block

ORDERING INFORMATION

Description	Part No.	Price
2 Port RS-232/422/485	7201	\$279.00
w/16850 UART	7201-SE	\$299.00
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 chip16550
 Number of ports2
 Max. data rate460K
 Max. data distanceup to 4000 ft.
 Operating temperature0-50° C
 Storage temperature-20-70° C
 Humidity range10-90% R.H.
 Current specifications+5V @ 480mA, ±12V @ 50mA ea.
 Connector(s)(2) DB9P
 Physical dimensions5.0" L x 4.2" H (12.70 x 10.67 cm)



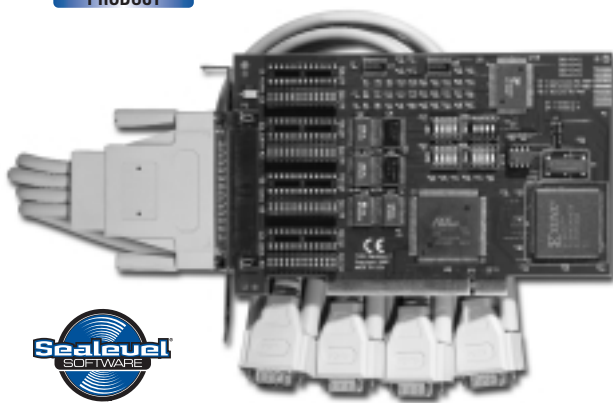
Sealevel Systems Incorporated ▶ 155 Technology Place ▶ PO Box 830 Liberty, South Carolina 29657 USA
 Tel: 864.843.4343 Fax: 864.843.3067 www.sealevel.com

PCI 4 Port RS-232/422/485 Interface

**NEW
PRODUCT**

COMM+4.PCI

The COMM+4.PCI provides four field selectable RS-232/422/485 serial ports for control and automation applications. Our onboard auto-enable hardware automatically handles the RS-485 driver enable, allowing the RS-485 ports to be treated as a standard COM: port by the operating system.



16850
Big FIFO

PCI
LOCAL BUS

Sealevel
SOFTWARE

Unique Features

- Field selectable interface
- 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
- DB37 to (4) DB9 cable included
- Optional Terminal Block kits available

Technical Specifications

Communications chip16850
 Number of ports4
 Max. data rate460K bps
 Max. data distanceup to 4000 ft.
 Operating temperature0-50° C
 Storage temperature-20-70° C
 Humidity range10-90% R.H.
 Current specifications+5V @ 620mA, +12V @ 60mA, -12V @ 100mA
 Connector(s)(4) DB9P
 Physical dimensions6.5" L x 4.2" H (16.51 x 10.66 cm)



Part No. 7404-KT

Order our 3440-KT, 7402-KT or 7404-KT and receive board, terminal block and cable. This universal cable/wiring option can simplify your cable connections – another Simpler Solution from Sealevel Systems.

ORDERING INFORMATION

Description	Part No.	Price
4 Port RS-232/422/485	7404	\$399.00
7404 w/ TB02 and CA112 DB37 M/F Cable	7404-KT	\$426.00
<u>Cable Options</u>		
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

USB 2 and 4 Port RS-232/422/485 Adapters

**NEW
PRODUCT**

SeaPORT+2™ and SeaPORT+4™

Sealevel SeaPORT™ USB serial I/O products provide two or four USB to RS-232/422/485 ports for Point of Sale (POS) and Factory Automation/Process control applications. Each port is individually selectable as RS-232, RS-422, or RS-485 to provide maximum flexibility to your application needs. Our SeaPORT adapters get their power directly from the USB cable, eliminating the need for external power.



Unique Features

- Field Selectable Interface
- Power obtained from USB cable - No external power required
- Automatic RS-485 data enable/disable
- "Hot swapping" / Auto configuration
- High speed UART standard with 128 byte TX FIFO and 384 byte RX FIFO buffer supporting standard PC data rates up to 921.6K bps
- 6ft. high quality USB cable and loopback plug included
- Terminates in DB9P Connectors
- Includes advanced COM: drivers, utilities, INF files and help files to simplify installation in Windows 98/ME and 2000

USB

Sealevel
SOFTWARE

ORDERING INFORMATION

Description	Part No.	Price
2 Port RS-232/422/485	2203	\$299.00
4 Port RS-232/422/485	2403	\$389.00
<u>Cable Options</u>		
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
DB9F/25M Modem Cable	CA177	\$7.95
6ft. USB A to B Cable	CA179	\$7.95

Technical Specifications

Communications chipUSB/UART ASIC
 Number of ports2/4
 Max. data rate921K bps
 Max. data distanceup to 4000 ft.
 Operating temperature0-50° C
 Storage temperature-20-70° C
 Humidity range10-90% R.H.
 Power SpecificationsFrom USB Cable
 Connector(s)(2) or (4) DB9P (Male)
 Physical dimensions7" L x 5.25" W x 1.5" H (17.78 x 13.34 x 3.81 cm)

ISA 2 Port RS-232/422/485 Interface

COMM+2/EX

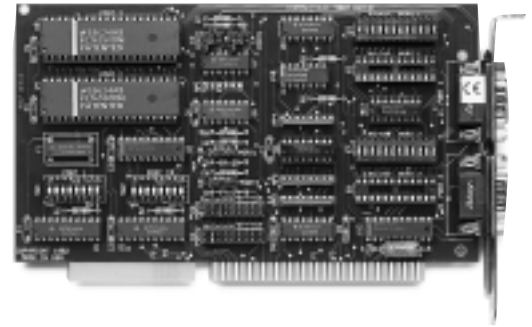
The COMM+2/EX provides the PC with two field selectable RS-232/422/485 Asynchronous links to data collection and other devices.

ORDERING INFORMATION

Description	Part No.	Price
Dual Port RS-232/422/485	3087	\$199.00
w/16850 UART Upgrade	3087-SE	\$219.00
<u>Cable Options</u>		
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

Unique Features

- RS-485 two or four wire operation
- Individually selectable interrupts (2-5, 7, 10-12 and 15)
- Windows Auto RS-485 driver software included
- Selectable address including COM1: - COM4: and any I/O address up to 3FF Hex
- Multiple ports/Multiple cards can share the same IRQ
- RTS and CTS "Handshake" signals provided
- Includes Windows Advanced COM: drivers, utilities, INF files and help files to simplify installation
- Supports Windows, Linux, QNX, DOS and other operating systems



Technical Specifications

Communications chip . . . 16550 UART
 Number of ports 2
 Max. data rate 115K bps (RS-422/485)
 Max. data distance Up to 4000 ft.
 RS-485 operation Two or four wire
 Operating temperature . . . 0-50° C
 Storage temperature -20-70° C
 Humidity range 10-90% R.H.
 Current specifications . . . +5V @ 195mA, ±12V @ 25mA ea.
 Connector(s) (2) DB9P
 Physical dimensions 6.9" L x 4.2" H (16.56 x 10.66 cm)



PC/104 4 Port RS-422/485 or RS-232 Serial Module

C4-104

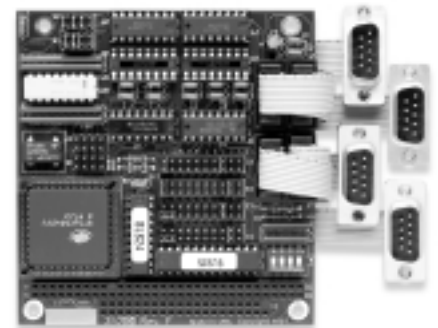
The C4-104 provides the PC/104 system with four direct RS-422/485 or RS-232 Asynchronous links to data collection and other devices. Included chips for both RS-422/485 and RS-232 "Dual Mode" operation allow 4 ports RS-422/485, 4 ports RS-232 or two ports of each.

Unique Features

- Individually selectable IRQ level (2-7, 10-12 and 15) for each port
- Versatile addressing including COM1: - COM4: or other user selectable I/O addresses with PAL options
- Windows Auto RS-485 driver software included
- RTS and CTS "Handshake" signals provided
- Multiple cards can reside within the same system
- Four DB-9P interface cables included
- PC/104 form factor (3.6" x 3.8")
- Compatible with DOS, Windows 3.1x/95/98/NT, QNX and other operating systems
- Onboard interrupt status port for Windows flexibility
- 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
Dual mode operation	3522	\$259.00
<u>Cable Options</u>		
DB9 Terminal Block	TB05	\$19.95
TB05 and CA127 Kit	KT105	\$28.95
DB9 M/F Cable	CA127	\$9.95



Technical Specifications

Communications chip . . . 16554
 Number of ports 4
 Max. data rate 115K bps
 Max. data distance Up to 4000 ft. @ 9600 bps
 RS-485 operation Two or four wire
 Operating temperature . . . 0-50° C
 Storage temperature -20-70° C
 Humidity range 10-90% R.H.
 Power requirements +5V only operation
 Current specifications 130mA
 Physical dimensions 3.775" L x 3.550" H (9.588 x 9.017 cm)

