

## PM-1004/1028-4/1028-8

4-port non-isolated RS-232/422/485 serial communication PC/104 module



### PM-1004



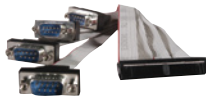
P/N: 32200-026800-RS

Shipped with 4-port RS-232/422/485 connection cable

4-port/8-port non-isolated RS-232 serial communication PC/104 modules



### PM-1028



P/N: 32200-025400-RS

Shipped with 4-port RS-232 connection cable

### Features

1. PC/104 form factor
2. 16C554 UART controller
3. Four jumper selectable RS-232 or RS-422/485 serial communication ports
4. Supports shared IRQ or independent IRQ mode
5. Jumper selectable interrupt level
6. MAX. baud rate: 921.6kb/s
7. Windows® NT, Windows® 2000, Windows® XP, Windows® CE and Linux driver support

### Specifications

	PM-1004	PM-1028-4	PM-1028-8
<b>Bus Interface</b>	PC/104		
<b>Number of Ports</b>	4-port	4-port	8-port
<b>Interrupt Level</b>	3, 4, 5, 7, 9, 10, 11, 12		
<b>Chipset</b>	TI 16C554A		
<b>Bard Rate</b>	921.6 Kbps (max.) at 14.745MHz clock input		
<b>Seiral Port</b>	16C550-compatible UARTs		
<b>Connectors (40-pin; 2.54 box header)</b>	4-port RS-232/RS-422/RS-485 x 1	4-port RS-232 x 1	4-port RS-232 x 2
<b>Power Consumption</b>	+5V@0.6A (max.)		
<b>Temperature Operating</b>	0°C ~ 60°C		
<b>Dimensions</b>	96 mm x 90 mm		
<b>Driver Support</b>	Windows®NT, Windows®2000, Windows®XP, Windows®CE and Linux		

### Packing List

- 1 x 4-port non-isolated RS-232/422/485 serial communications PC/104 module
- 1 x 4-port RS-422/485 connection cable (P/N: 32200-026800-RS)
- 1 x Utility CD
- 1 x RS-232 cable (P/N: 32200-025400-RS)
- 1 x Mini jumper pack

### Ordering Information

Part No.	Description
PM-1004-R20	4-port non-isolated RS-232/422/485 serial communications PC/104 module
PM-1028-4-R20	4-port non-isolated RS-232 serial communications PC/104 module
PM-1028-8-R20	8-port non-isolated RS-232 serial communications PC/104 module

## IPCI-1680-CBM

2-port isolated protection CAN communication bus PCI card support CANopen



**CANopen**  
Bundle CANopen AP

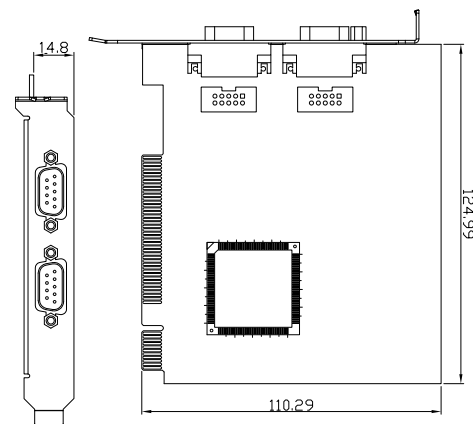
### Features

1. PCI Revision 2.2 compliant
2. Two independent CAN bus communication ports
3. Compatible with CAN Specifications 2.0
4. On-board optical isolation protection 2500Vrms on CAN side
5. Programmable transfer rate up to 1 Mbps
6. Jumper settings for dual ports select 120 Ω terminator resistor
7. Support CANopen protocol follow CIA DS-301 and support CIA DS-401

### Specifications

<b>Bus Interface</b>	PCI Revision 2.2 compliant
<b>Number of Ports</b>	2-port
<b>CAN controller</b>	Philips SJA1000T
<b>CAN transceiver</b>	Philips PCA82C251
<b>Signal Support</b>	CAN_H, CAN_L
<b>Speed ( bps )</b>	1 Mbps
<b>Connectors</b>	DB-9 male on bracket or dual 2 x 5 pin internal 2.54 pitch box header
<b>Isolated Protection</b>	2500Vrms on CAN side
<b>Power Consumption</b>	5 V @ 400 mA
<b>Temperature</b>	Operating: -5°C~ 65°C ( 23°F~ 149°F)
<b>Humidity</b>	Operating: 5% ~95% Non-condensing
<b>Drive Support</b>	Windows® XP / Windows® XP Embedded / Windows® CE 5.0
<b>CANopen Communication</b>	Support NMT/EMCY/SYNC/SDO/PDO/Error Control protocols Follow CIA DS-301 and support Cia DS-401 Support 10K,20K,50K,125K,250K,500,800K,1M bps Transfer Rate

### Dimensions (mm)



### Packing List

- 1 x IPCI-1680-CBM CAN bus PCI card
- 1 x Mini jumper pack
- 1 x Utility CD ( bundle CANopen software)
- 1 x QIG

### Ordering Information

Part No.	Description
IPCI-1680-CBM-R10	2-port isolated protection CAN communication bus PCI card support CANopen