

PM-1004/1028-4/1028-8

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



PM-1004



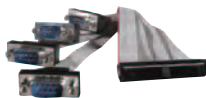
P/N: 32205-002500-100-RS

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

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



PM-1028



P/N: 32205-001201-100-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
Bus Interface	PC/104		
Number of Ports	4-port	4-port	8-port
Interrupt Level	3, 4, 5, 7, 9, 10, 11, 12		
Chipset	TI 16C554A		
Baud Rate	921.6 Kbps (max.) at 14.745MHz clock input		
Serial Port	16C550-compatible UARTs		
Connectors (40-pin; 2.54 box header)	4-port RS-232/ RS-422/RS-485 x 1	4-port RS-232 x 1	4-port RS-232 x 2
Power Consumption	+5V@0.6A (max.)		
Operating Temperature	0°C ~ 60°C		
Dimensions	96 mm x 90 mm		
Driver Support	Windows®NT, Windows®2000, Windows®XP, Windows®CE and Linux		

Packing List

- 1 x 4-port non-isolated RS-232/422/485 serial communication PC/104 module
- 1 x 4-port RS-422/485 connection cable (P/N: 32205-002500-100-RS)
- 1 x Utility CD
- 1 x RS-232 cable (P/N: 32205-001201-100-RS)
- 1 x Mini jumper pack

Ordering Information

Part No.	Description
PM-1004-R20	4-port non-isolated RS-232/422/485 serial communication 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 supports CANopen



CANopen
Bundle CANopen AP

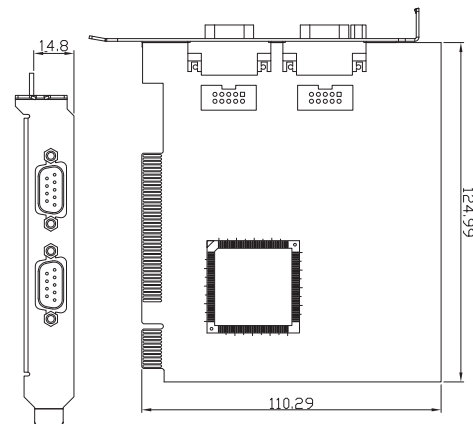
Features

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. Selective jumper for dual ports select 120 Ω terminator resistor
7. Support CANopen protocol following CiA DS-301 and support CiA DS-401

Specifications

Bus Interface	PCI Revision 2.2 compliant
Number of Ports	2-port
CAN Controller	Philips SJA1000T
CAN Transceiver	Philips PCA82C251
Signal Support	CAN_H, CAN_L
Speed (bps)	1 Mbps
Connectors	Two external DB-9 male connectors or two internal 10-pin 2.54 pitch box headers
Isolated Protection	2500Vrms on CAN side
Power Consumption	5 V @ 400 mA
Temperature	Operating: -5°C ~ 65°C (23°F~149°F)
Humidity	Operating: 5% ~95% Non-condensing
Driver Support	Windows® XP/Windows® XP Embedded/Windows® CE 5.0
CANopen Communication	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 (with bundled 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

1

Industrial Computing Solutions

2

Video Capture Solutions

3

Embedded Computing Solutions

4

Automation Control

5

ORing Network Communication

6

Power Supply/Peripherals

7

Panel Solutions Introduction