

**PCI-104 4-PORT, 8-PORT, 12-PORT Isolated
RS-232/422/485 Communication card**

PMS-400/800/1200

Version 1.02

Jul. 25, 2007

Package Contents

PMS-400/800/1200 package includes the following items

- 1 x PCI 4/8/12-Port RS-232/422/485 Communication Card
- 1 x COM port cable with 4 x DB9 connector for PMS-400
- 2 x COM port cable with 4 x DB9 connector for PMS-800
- 1 x Flat Cable for PMS-800
- 3 x COM port cable with 4 x DB9 connector for PMS-1200
- 2 x Flat Cable for PMS-1200
- 1 x I/O Shielding
- 1 x Mini Jumper Pack
- 1 x Utility CD
- 1 x QIG



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Specifications

- Bus Interface PCI Rev 2.1 interface
- I/O Controller 16C950 UART Controller
- Number of Ports 4-port (PMS-400) / 8-port (PMS-800) / 12-port (PMS-1200)
- Data Bits 5,6,7,8
- Stop Bits 1, 1.5, 2
- Parity None, Even, Odd
- Speed (bps) 50 ~921.6K
- Connectors 4 / 8 /12 DB9 male
- ESD protect (Human Body Mode) $\pm 15KV$
- Isolated Protection 3000Vdc
- Supported OS Windows 2000/XP/2003, Linux
- Power Consumption 5V @450mA
- Temperature operation: $-5^{\circ}C \sim 65^{\circ}C$ ($23^{\circ}F \sim 149^{\circ}F$)
- Dimensions: 114mm x 185mm

Ordering Information

PMS-400-R10

PCI-Bus, 4-port Isolated RS-232/422/485 Communication Card

PMS-800-R10

PCI-Bus, 8-port Isolated RS-232/422/485 Communication Card

PMS-1200-R10

PCI-Bus, 12-port Isolated RS-232/422/485 Communication Card

Jumpers setting and Connectors

1. FIFO Mode Select:

| FIFO Mode Select | 16 Byte | 128 Byte |
|------------------|---------|----------|
| JP17 | 2-3 | 1-2 |
| JP18 | 2-3 | 1-2 |
| JP19 | 2-3 | 1-2 |

2. UART Mode Select:

| Mode | COM1 | COM2 | COM3 | COM4 |
|----------|---------|---------|---------|---------|
| Select | JP16 | JP11 | JP1 | JP2 |
| RS232 | - | - | - | - |
| RS422 | 1-2 | 1-2 | 1-2 | 1-2 |
| RS485 | 1-2,3-4 | 1-2,3-4 | 1-2,3-4 | 1-2,3-4 |
| Terminal | 5-6 | 5-6 | 5-6 | 5-6 |
| Res | | | | |

| Mode | COM5 | COM6 | COM7 | COM8 |
|--------|---------|---------|---------|---------|
| Select | JP6 | JP5 | JP3 | JP4 |
| RS232 | - | - | - | - |
| RS422 | 1-2 | 1-2 | 1-2 | 1-2 |
| RS485 | 1-2,3-4 | 1-2,3-4 | 1-2,3-4 | 1-2,3-4 |

| | | | | |
|--------------|-----|-----|-----|-----|
| Terminal Res | 5-6 | 5-6 | 5-6 | 5-6 |
|--------------|-----|-----|-----|-----|

| | | | | |
|--------------|---------|---------|---------|---------|
| Mode | COM9 | COM10 | COM11 | COM12 |
| Select | JP10 | JP9 | JP7 | JP8 |
| RS232 | - | - | - | - |
| RS422 | 1-2 | 1-2 | 1-2 | 1-2 |
| RS485 | 1-2,3-4 | 1-2,3-4 | 1-2,3-4 | 1-2,3-4 |
| Terminal Res | 5-6 | 5-6 | 5-6 | 5-6 |

3. PIN Name :

| | RS-232 | RS422 | RS485 |
|---|--------|-------|-------|
| 1 | DCD | RX- | Data- |
| 2 | RXD | RX+ | Data+ |
| 3 | TXD | TX- | |
| 4 | DTR | | |
| 5 | GND | | |
| 6 | DSR | | |

| | | | |
|---|-----|-----|--|
| 7 | RST | TX+ | |
| 8 | CTS | | |
| 9 | RI | | |

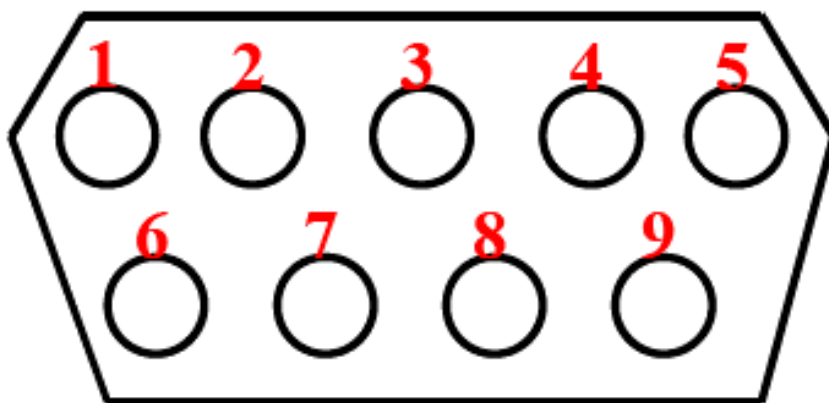


圖 3. RS-232 腳位方向

Board Layout: Connector Locations

