

Multiport Serial Communication PCI Card

4-port, 8-port or 12-port isolated RS-232/422/485 serial communications PCI card



PMS-400L

Low-profile 4-port non-isolated RS-232/422/485 serial communications PCI card



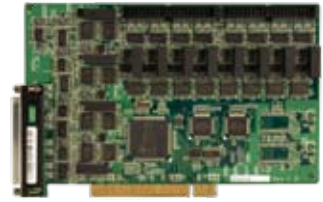
PMS-400

High-protection 4-port isolated RS-232/422/485 serial communications PCI card



PMS-800

High-protection 8-port isolated RS-232/422/485 serial communications PCI card



PMS-1200

High-protection 12-port isolated RS-232/422/485 serial communications PCI card

Features

1. PCI v2.1 interface
2. mPCI954+16C954 UART Controller
3. Support shared IRQ
4. Individual jumper selections for RS-232/422/485
5. Data transmission speeds up to 921.6 Kbps
6. 128-byte deep FIFO per transmitter and receiver
7. On-board 15 KV ESD protection
8. Isolated 3000 Vdc DC protection
9. Powerful and easy-to use utility
10. Windows® 2000, Windows® XP, Windows® XPe and Linux driver support



4 x DB-9 male connector to DB-37 male connector with 150 mm 28AWG cable P/N (32000-088800-RS)

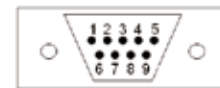
DB-37 female flat cable P/N (32000-076000-RS)

Every DB-37 female flat cable with connector cable can support four RS-232/422/485

Pin Definition

	RS-232	RS-422	RS-485
1	DCD	RX-	Data-
2	RxD	RX+	Data+
3	TxD	TX-	
4	DTR		
5	GND		
6	DSR		
7	RTS	TX+	
8	CTS		
9	RI		

Connector



Specifications

Model Name	PMS-400-R10 PMS-800-R10 PMS-1200-R10	PMS-400L-R10
Bus Interface	PCI ver. 2.1 interface	
I/O controller	mPCI954+16C954 UART Controller	
Number of Ports	4-port (PMS-400-R10) / (PMS-400L-R10) 8-port (PMS-800-R10) 12-port (PMS-1200-R10)	
Data Bits	5,6,7,8	
Stop Bits	1, 1.5, 2	
Parity	None, Even, Odd	
Speed	50 bps ~ 921.6 kbps	
Connectors	4, 8 or 12 male DB-9 connectors	
ESD protect (Human Body Mode)	±15 KV	
Isolation Protection	3000 Vdc	N/A
Driver Support	Windows® 2000, Windows® XP, Windows® XPe and Linux	
Temperature	Operating: -5°C ~ 65°C (23°F ~ 149°F)	
Humidity	Operating: 5% ~95 non-condensing	
Dimension	122 mm x 185 mm	80 mm x125 mm

Packing List

- 1 x 4-port, 8-port or 12-port RS-232/422/485 serial communications PCI card
- 1 x COM port cable with 4xDB-9 connector (P/N: 32000-088800-RS) for PMS-400-R10, PMS-400L-R10
- 2 x COM port cable with 4xDB-9 connector (P/N: 32000-088800-RS) for PMS-800-R10
- 1 x Flat cable (P/N: 32200-076000-RS) for PMS-800-R10
- 3 x COM port cable with 4xDB-9 connector (P/N: 32000-088800-RS) for PMS-1200-R10
- 2 x Flat cable (P/N: 32200-076000-RS) for PMS-1200-R10
- 1 x Mini Jumper Pack
- 1 x Utility CD
- 1 x QIG

Ordering Information

Part No.	Description
PMS-400L-R10	Low-profile 4-port non-isolated RS-232/422/485 serial communications PCI card
PMS-400-R10	High-protection 4-port isolated RS-232/422/485 serial communications PCI card
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PMS-1200-R10	High-protection 12-port isolated RS-232/422/485 serial communications PCI card



Share IRQ Benefit :

- Reserve more resources for system devices.
- Easy to programm each COM port.
- Reduce system integration time.

FIFO



FIFO is the default queuing algorithm in some instances, thus requiring no configuration. FIFO queuing makes no decision about packet priority; the order of arrival determines bandwidth, promptness, and buffer allocation. FIFO queuing was a necessary first step in controlling data traffic.

ESD / Isolated protection



IEI Provides :

1. On-board 15 KV ESD protection
2. Isolated 3000 Vdc protection

An integrated circuit (IC) connected to external ports is susceptible to damaging electrostatic discharge (ESD) pulses from the operating environment and peripherals. Additional protection can violate stringent signaling requirements, leaving design engineers with the need to balance performance and reliability.