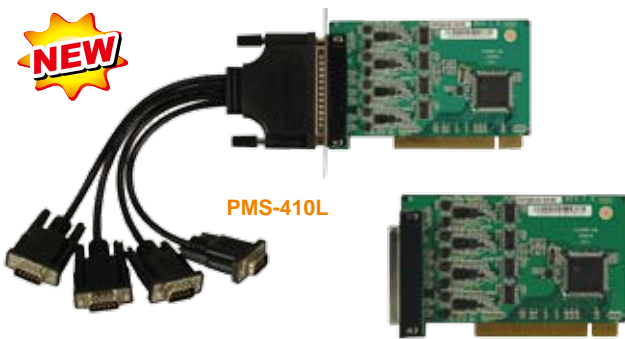


# PMS-400L/410L

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

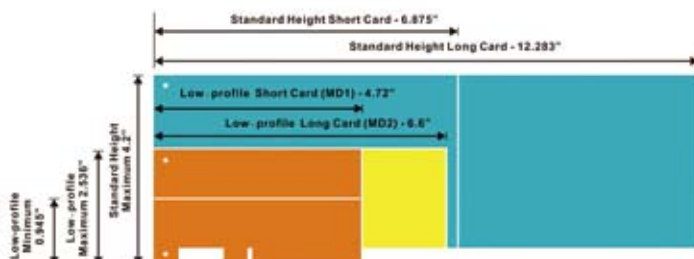


### What are low-profile PCI cards?

Low-profile PCI cards are simply PCI cards based on a new card size standard. The low-profile PCI standard was developed to standardize the design of PCI cards used in small-footprint systems. Low-profile PCI cards follow the design guidelines of the PCI Special Interest Group, the organization that sets standards for the PCI bus generally.

Low-profile PCI cards follow the "PCI Local Bus Specification, Revision 2.2" or later, but in addition adopt the form factor requirements of the new "PCI Engineering Change Notice —Low Profile PCI Card". Designed as a collaborative effort by the PCI Special Interest Group and companies including IBM and Intel, the low-profile PCI standard limits the height of low-profile PCI cards to a maximum of 2.5 inches/60 mm —about 60% of the height of standard PCI cards.

As well as defining a maximum height for cards designated as "low-profile", the low-profile PCI specification also outlines two low-profile PCI card lengths —short (called "MD1") and long ("MD2"). An MD1 low-profile card has a maximum length of 4.72" (119.91 mm). An MD2 card is longer than an MD1 card, but not longer than 6.6" (167.64 mm). Both MD1 and MD2 cards can be no higher than 2.536" (64.41 mm) and can be as short as 0.945" (24 mm). The diagram below compares low-profile PCI card sizes with standard height PCI card sizes.



## Features

### PMS-400L

1. PCI v2.1 interface with RoSH compliance
2. 16C950 UART Controller
3. Support Shared IRQ
4. Individual Jumper selections for RS-232/422/485
5. Data transmission speed up to 921.6Kbps
6. 128-byte deep FIFO per transmitter and receiver
7. Driver support Windows 2000/XP/2003 and Linux

### PMS-410L

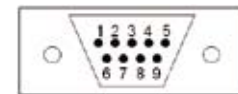
1. PCI v2.1 interface with RoSH compliance
2. Exar Universal (3.3V/5V) PCI Bus Quad UART
3. Each UART has 64-byte TX and RX FIFOs
4. Individual jumper selections for RS-232/422/485
5. Up to 6.125Mbps Data Rate
6. Programmable TX and RX FIFO trigger level and FIFO level counters
7. Automatic RTS/CTS or DTR/DSR hardware flow control
8. Automatic RS-485 direction control output with selectable turn-around delay
9. Driver support Windows CE/2000/XP/2003 and Linux



### 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



4 x DB-9 male connector to DB-37 male connector with 150 mm 28AWG cable  
P/N ( 32000-08800-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

## Packing List

- 1 x 4 port RS-232/422/485 serial communications PCI card
- 1 x COM port cable with 4xDB-9 connector (P/N: 32000-08800-RS)
- 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-410L-R10	Low-profile 4-port non-isolated RS-232/422/485 serial communications PCI card support WinCE