



Bridging the Gap between Real World and Computer

COM-8502/04/24/44 RS232/422/485 PCI Express x1 Communication Card



Introduction

The COM8502/04/24/44 is a 2/4-port PCI Express board designed for POS and ATM applications. The COM8502/4's 2/4 RS-232 serial ports ,COM8524's 2 port RS232 and 2 port RS422/485 serial ports,COM8544's 4 port RS232/422/485 serial ports support a super fast 921.6 Kbps baudrate, and provide full modem control signals to ensure compatibility with a wide range of serial peripherals.

The COM8502/04/24/44 is compliant with X1 PCI Express slot. The COM8502/04/24/44 board only requires a 3.3 VDC power supply, which means that the board fits any host computer, ranging from shoebox to standard-sized PCs.

Reliable Windows COM drivers are provided for all COM boards.

Applications

- ▶ POS, ATM
- ▶ Any RS232,RS422,RS485 compatible device to computer communication

Ordering Information

- ▶ **COM-8502** : 2 Port RS232 PCI Express x1 Communication Card
- ▶ **COM-8504** : 4 Port RS232 PCI Express x1 Communication Card
- ▶ **COM-8524** : 2 Port RS232 + 2 Port 422/485 PCI Express x1 Communication Card
- ▶ **COM-8544** : 4 Port RS232/422/485 PCI Express x1 Communication Card
- ▶ **SM23410** : Extension kit for COM2,COM3 (bracket for 9p D-type connector ,10p flat cable) (for COM8504/24/44 only)

Features

- ▶ PCI Express x1 compliant
- ▶ 921.6 Kbps maximum baudrate for super fast data transmission
- ▶ 128-byte FIFO and on-chip H/W, S/W flow control
- ▶ Drivers provided for Windows (2000, XP and later x86 / x64)

Specifications

Hardware

- ▶ Controller chip : 16C550C compatible
- ▶ Bus : PCI Express x1
- ▶ Connector(s) : DB9 male x2/x4

Serial Interface

- ▶ Serial Standards : RS-232/422/485
- ▶ Number of Ports : 2/4
- ▶ Number of Boards : 4 per PC (max.)

Serial Communication Parameters

- ▶ Baudrate : 110 bps to 921.6 Kbps
- ▶ Data Bits : 5, 6, 7, 8
- ▶ Stop Bits : 1, 1.5, 2
- ▶ Parity : None, Even, Odd, Space, Mark
- ▶ Flow Control : None, Hardware, Xon / Xoff
- ▶ I/O Address : Assigned by BIOS
- ▶ IRQ : Assigned by BIOS

Serial Signals

- ▶ RS-232 : TXD, RXD, RTS, CTS, DTR, DSR, DCD, GND
- ▶ RS-422 : TXD+, TXD-, RXD+, RXD-, GND
- ▶ RS-485(2W) : D+, D-, GND
- ▶ RS-485(4W) : TD+, TD-, RD+, RD-, GND

General

- ▶ Power Requirement : 3.3Vdc
- ▶ Operation Temperature : 0 to +70 degree C
- ▶ Storage Temperature : -20 to +80 degree C
- ▶ Operation Humidity : 5~95% RH, non-condensing
- ▶ Dimensions : 114(W)*104(H) mm , 4.49(W)*4.09(H) in

Pin Assignments

RS232		RS422		RS485(2W)		RS485(4W)	
DSR	6	1	DCD	NC	6	1	NC
RTS	7	2	RXD	NC	7	2	NC
CTS	8	3	TXD	NC	8	3	D+
NC	9	4	DTR	NC	9	4	D-
		5	GND	NC	5	5	GND
				NC	6	1	TD-
				NC	7	2	TD+
				NC	8	3	RD+
				NC	9	4	RD-
				NC	5	5	GND

DB9PM

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