



Bridging the Gap between Real World and Computer



COM8562/4 2/4 Port RS422/485 Isolated PCI Express x1 Communication Card



Features

- ▶ Various selections :
 - RS-422/485 x2 (COM8562)
 - RS-422/485 x4 (COM8564)
- ▶ High speed magnetic isolation
- ▶ Channel to channel isolation
- ▶ 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

Specifications

Hardware

Controller chip : 16C550C compatible
 Channel to channel isolation : 1000Vdc
 Bus : PCI Express x1
 Connector(s) : DB25 female (COM8562)
 DB37 female (COM8564)

Serial Interface

Serial Standards : RS-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-422 : TXD+, TXD-, RXD+, RXD-, GND
 RS-485(2W) : D+, D-, GND

Main Card General

Power Requirement : 3.3Vdc
 Operation Temperature : 0 °C ~ +70 °C
 Storage Temperature : -20 °C ~ +80 °C
 Operation Humidity : 5~95% RH, non-condensing
 Dimensions : 112(W)*115(H)mm , 4.5(W)*4.6(H)mm

Introduction

The COM8562/4 is a 2/4-port isolated PCI Express board designed for applications need high performance and high reliability isolation. It 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 COM8562/4 is compliant with x1 PCI Express slot. Each channel has separated on board isolated DC-DC draws from 12V of PCIe bus.
 Reliable Windows COM drivers are provided for all COM boards.

Applications

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

Ordering Information

- ▶ **COM8562** : 2 Port isolated RS422/485 PCI Express x1 Communication Card
- ▶ **COM8564** : 4 Port isolated RS422/485 PCI Express x1 Communication Card
- ▶ **M27032509015** : D type 25p male - 2 x D type 9p male cable 15cm (COM8562 only)
- ▶ **M27033709015** : D type 37p male - 4 x D type 9p male cable 15cm (COM8564 only)

Pin Assignments

