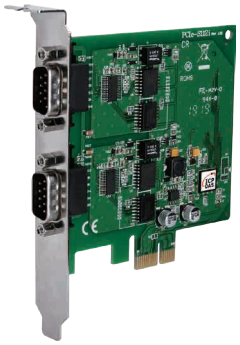


PCIe-S112

PCI Express, Serial Communication Board with 2 RS-232 ports



PCIe-S112i

PCI Express, Serial Communication Board with 2 Isolated RS-232 ports

Features

- Supports PCI Express x1
- Provides 2 RS-232 ports
- 256-byte Hardware FIFO for Each Port
- Transmission Speed of up to 921600 bps
- Short Card Design
- 3000 V_{DC} Isolation (PCIe-S112i Only)
- Short Card Design (PCIe-S112i Only)

Introduction

The PCIe-S112 series card provides 2 RS-232 serial ports. It is equipped with a 256-byte hardware FIFO for each port, supports for speed up to 921600 bps and supports full-duplex communication.

The data lines of each serial ports on i version PCIe cards come with photocouplers design. The on-board photo couplers use a short optical transmission path to transfer a signal between elements of a circuit, and keep the data lines electrically isolated. It can help cutting down on ground loops, common mode voltages and block voltage spikes, provide electrical isolation, and offer significant protection from serious over-voltage conditions in one circuit affecting the other.

In harsh industrial environments, the on-board ESD protection component (for i version) diverts the potentially damaging charge away from sensitive circuit to protects the computer and equipment from the sudden and momentary electric current.

The serial communication card are designed for use with intelligent devices like bar code reader, serial printers, intelligent sensors, instrumentation equipment, computers and almost any device with an RS-232 port.

Drivers provided for a broad selection of operating systems, including 32/64-bit Windows XP/2003/2008/7/8/10 and Linux Kernel 2.6.31~5.16.0.

Applications

- Industrial Machinery
- Building Automation
- Restaurant Appliances
- Laboratory Equipment & Research
- Industrial Communication

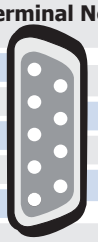
Hardware Specifications

Models	PCIe-S112	PCIe-S112i
Hardware		
Connector	2 x DB9 (Male)	
COM Ports		
Ports	2 x RS-232 (TxD, RxD, RTS, CTS, DTR, DSR, DCD, RI, GND)	
Baud Rate	300 ~ 921600 bps	
Parity	None, Even, Odd, Mark, Space	
Data Bit	5, 6, 7, 8	
Stop Bit	1, 1.5, 2	
FIFO Size	Internal 256 bytes	
Isolation	-	3000 V_{DC}
Power		
Consumption	120 mA @ 5 V	440 mA @ 5 V
Mechanical		
Dimensions (mm)	94 x 109 x 22 (W x L x D)	
Environment		
Operating Temperature	0 ~ +60°C	
Storage Temperature	-20 ~ +70°C	
Humidity	5 ~ 85% RH, Non-condensing	

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Pin Assignments

Pin Assignment	Terminal No.		Pin Assignment
GND	05	09	RI
DTR	04	08	CTS
TxD	03	07	RTS
RxD	02	06	DSR
DCD	01		



Male DB-9 Connector

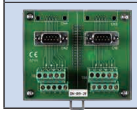
Software

Drivers
☑ 32/64-bit Windows XP/2003/2008/7/8/10
☑ Linux

Ordering Information

PCIe-S112 CR	PCI Express, Serial Communication Board with 2 RS-232 ports (RoHS)
PCIe-S112i CR	PCI Express, Serial Communication Board with 2 Isolated RS-232 ports (RoHS)

Accessories

 CA-0910F CR	9-Pin Female-Female D-Sub Cable 1 m
 CA-0915 CR	9-Pin Male-Female D-Sub Cable, 1.5 m
 CA-PC09F CR	9-Pin Female D-Sub Connector with Plastic Cover
 DN-09-2F CR	I/O Connector Block with DIN-Rail Mounting and Two 9-Pin Male Header. Includes CA-0910F x 2 (9-Pin Female-Female D-Sub Cable 1 m)

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