



PCard-E1021-SI-D9

PCard-E1021-I-D9

**Industrial 2-Ports RS-232 PCI Express Card
With 3KV Serial Isolation**

Features

- PCI Express x1 compliant
- Support Serial Ports for RS-232
- Support Baudrate from 150~921.6 Kbps
- Support 128-Byte FIFO
- Support HW, SW Flow Control
- 3KV Serial Isolation Protect
- Serial Line 6KV Surge Protect for -SI Model



Introduction

The 2 Ports PCI Express Cards are designed for POS, ATM and KIOSK applications. Each card supports 150~921600 baudrate. The PCard-E1021-SI-D9 is for 6KV surge protect model. In addition, the PCard-E1021-SI-D9 and PCard-E1021-I-D9 provide full modem control signals to ensure compatibility with a wide range of serial peripherals.

Specifications

ORing Model	PCard-E1021-SI-D9	PCard-E1021-I-D9
Serial Port		
Connector	DB9(Male) x 2	
Ports	2	
Operation Mode	RS-232	
Serial Baud Rate	150 bps to 921.6 Kbps	
Data Bits	5, 6, 7, 8	
Parity	odd, even, none, mark, space	
Stop Bits	1, 1.5, 2	

RS-232	TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND
Flow Control	RTS/CTS, Xon/Xoff
LED Indicator	
Serial TX LEDs	Green: Serial port is transmitting data (TX)
Serial RX LEDs	Amber: Serial port is receiving data (RX)
Power Consumption	
PCard-E1021-SI-D9	630 mA @ 3.3 VDC
PCard-E1021-I-D9	630 mA @ 3.3 VDC
Standards and Certification	
EMC	EN 55032/24
EMI	CISPR 22, FCC Part 15B Class B
EMS	IEC 61000-4-2 ESD: Contact: 8 kV; Air: 15 kV
	IEC 61000-4-3 RS: 80 MHz to 1 GHz: 3 V/m
	IEC 61000-4-4 EFT: Power: 1 kV; Signal: 0.5 kV
	IEC 61000-4-5 Surge: Power: 2 kV; Signal : 6 KV (only for -SI model)
	IEC 61000-4-6 CS: 150 kHz to 80 MHz: 3 V/m; Signal: 3 V/m
	IEC 61000-4-8 PFMF
Physical Characteristic	
PCard-E1021-SI-D9	85.0 x 101.9 mm
PCard-E1021-I-D9	85.0 x 101.9 mm
Environmental	
Storage Temperature	-40 to 85°C
Operating Temperature	-40 to 75°C
Operating Humidity	5% to 95% Non-condensing
Warranty	5 years

Ordering Information

PCard- **A****B****C****D****E****F** - **G** - **H**



Code Definition	Card Type	Serial Type	Serial Port Number	Convert Port Number	Card Size	Protection	Connector Type
Option	E: PCI-E	1 : RS-232 2 : RS-422/485 3 : RS-232/422/485	02 : 2 Ports 04 : 4 Ports 08 : 8 Ports 16 : 16 Ports	1: 1 Port	L : Low Profile NA: Standard	S : Surge I : Isolation NA: None	D9 : DB9 D5 : DB25 D4 : DB44 D8 : DB78 VH : VHDCI

Available Model	Model Name	Description
	PCard-E1021-SI-D9	Industrial 2-Ports RS-232 PCI Express Card with 6KV Serial surge protection and 3KV Serial Isolation
	PCard-E1021-I-D9	Industrial 2-Ports RS-232 PCI Express Card with 3KV Serial Isolation

PIN	RS232	RS422	4W-RS485	2W-RS485
1	DCD	--	--	--
2	RXD	--	--	--
3	TXD	--	--	--
4	DTR	--	--	--
5	GND	--	--	--
6	DSR	--	--	--
7	RTS	--	--	--
8	CTS	--	--	--
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Packing List

- PCard-E1021-SI-D9 or PCard-E1021-I-D9
- Quick Installation Guide x 1

Cable order information (Optional)

Model Name	Description
CY-AS-WL0-008	DB9 Male to DB9 Female, 150cm
CY-AS-WL0-010	RJ45 Plug to DB9 Male, 150cm
A225-A006-V09	RJ45 Plug to DB9 Female, 150cm



DB9M to DB9F



RJ45 to DB9M



RJ45 to DB9F

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