PRS-358C

Main Features

- PCI Express bus 2.0 compliant

- Support 8 port switchable RS232/RS422/RS485

- Max Data Rate of 20Mbps in RS-485/422 Modes and up to 1Mbps in RS-232 Modes

- XR17V358 UART with 256-byte FIFOs

- 16550 compatible register Set

- Supports Windows XP/7/10, and Linux operating systems

- Industrial design, manufactured in Cadmus Taiwan

Product Overview

The PRS-358C PCI Express 8-port serial I/O card is a high-speed serial I/O expansion card for PCI Express bus. Connecting to a PCI Express bus on your computer, the PCI Express 8-port serial I/O card instantly adds eight serial I/O communication ports to your system.

Featuring high data transmission speeds (Max Data Rate of 20Mbps in RS-485/422 Modes and up to 1Mbps in RS-232 Modes) and high-performance XR17V358 UARTs with 256-byte FIFOs to reduce CPU load, provide high efficient solution for serial data communication and industrial automation applications. Support automatic RTS/CTS or DTR/DSR hardware flow control with programmable hysteresis.

Specifications

Module Name	PRS-358C
Bus Type	PCI-Express x1
Input interface	PCI Express 2.0
Output Interface	Switchable RS232(support Tx, Rx, Gnd.)/422/485 x 8 port one 9 pin switch can control 2 port COM port
Output Connector	Two LFH connector
Comm. Controller	XR17V358
Dimensions	107 X 95 (mm)
Data Rate	Max. Data Rate of 20Mbps in RS-485/422 Modes and up to 1Mbps in RS-232 Modes
Compatible Operating System	Windows XP
	Windows 7
	Windows 10
	Linux
Working Temperature	-40°C-85°C

Dimension

100.7

CN2

95

CN1

66.2

PRS-358C
REV:A
MADE IN TAIWAN
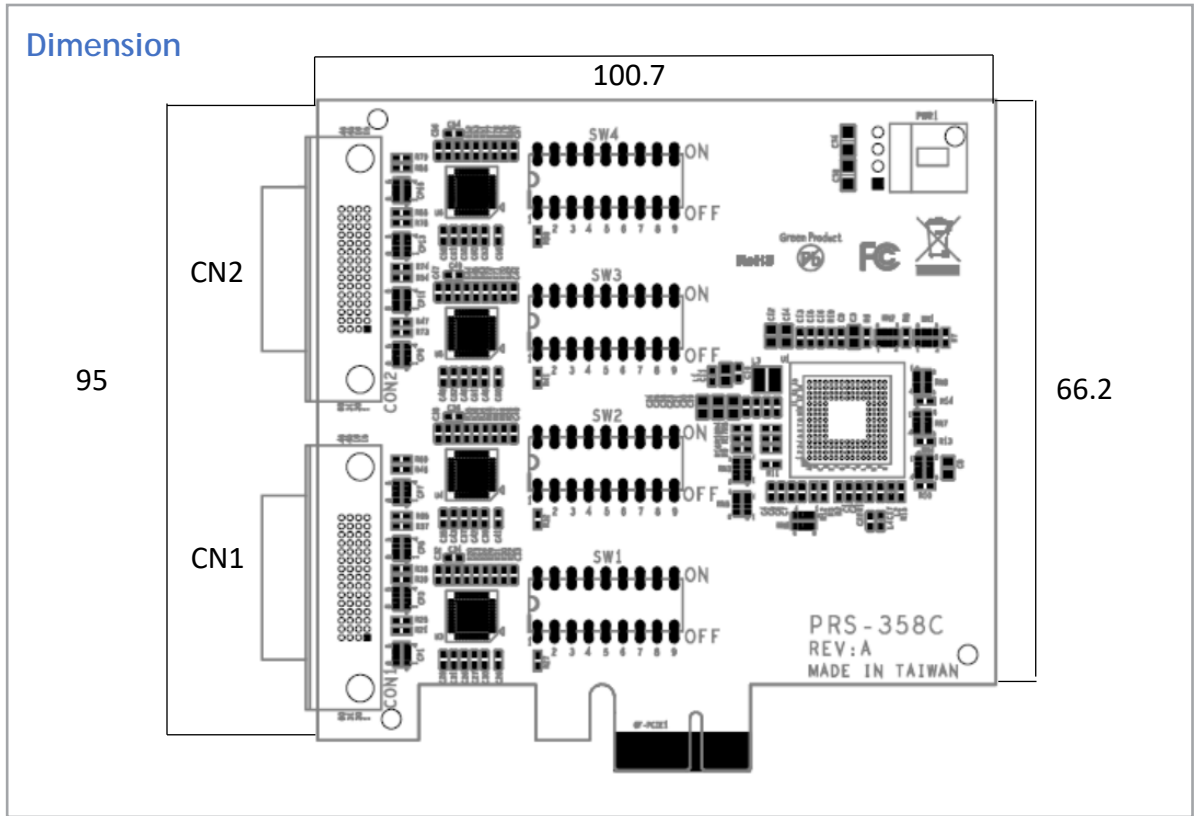
Pin definition

SW1 ~ SW4

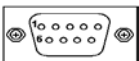| SW1	COM1 COM2	1	2	3	4	5	6	7	8	9
	RS232	OFF	OFF	OFF	OFF	OFF	ON	ON	ON	ON
	RS485	ON	ON	ON	OFF	OFF	OFF	OFF	ON	ON
	RS422	ON	ON	ON	ON	ON	OFF	OFF	OFF	OFF

SW1 : COM1 and COM2   **SW2** : COM3 and COM4   **SW3** : COM5 and COM6   **SW4**: COM7 and COM8
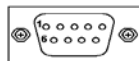
RS232
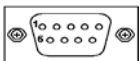
Pin	RS232 Signal Name
1	DCD, Data carrier detect
2	RXD, Receive data
3	TXD, Transmit data
4	DTR, Data terminal ready
5	GND, ground

RS422

Pin	RS422
1	TX-
2	TX+
3	RX+
4	RX-
5	GND

RS485

Pin	RS485
1	DATA-
2	DATA+
3	
4	
5	GND

CADMUS

PCI Express Communication Card

We reserve the right to change specifications and product descriptions at any time without prior notice.   Last Update: 7/31/2019

Ordering Information

PRS-358C
- PCI Express x1 interface to 8 port RS232/422/485
- With two 60 pin LFH connector to 4*DB9 cable, L:15 cm

Front view

15 cm