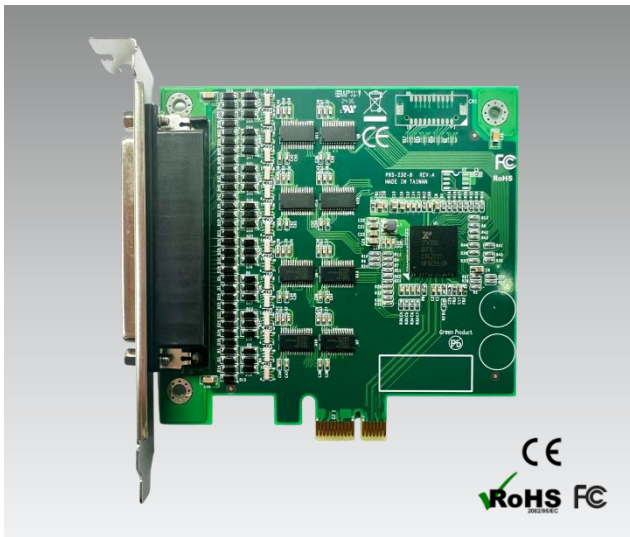


PRS-232-8

8 PORT RS232 PCI EXPRESS SERIAL COMMUNICATION CARD



Main Features

- PCI-Express x1 Lane Bus interface 2.0 compliant
- PCIe to 8 port RS-232
- Automatic hardware or software flow control
- Max data rate: 1Mbps in RS-232 Modes.
- Provide programmable 16 multi-purpose inputs/outputs (MPIOs)
- Provide transient protection for each line to IEC 61000-4-2 (ESD) $\pm 30\text{kV}$ (air/contact)
IEC 61000-4-4 (EFT) 80A (5/50ns)
IEC 61000-4-5 (Lightning) 25A (8/20 μs)
- Industrial design, manufactured in Taiwan

Product Overview

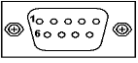
The PRS-232-8 PCI Express 8-port serial I/O card is a high-speed serial I/O expansion card for PCI Express bus. Connecting to a PCI Express bus on your computer, the PCI Express 8-port serial I/O card instantly adds four serial I/O communication ports.

Specifications

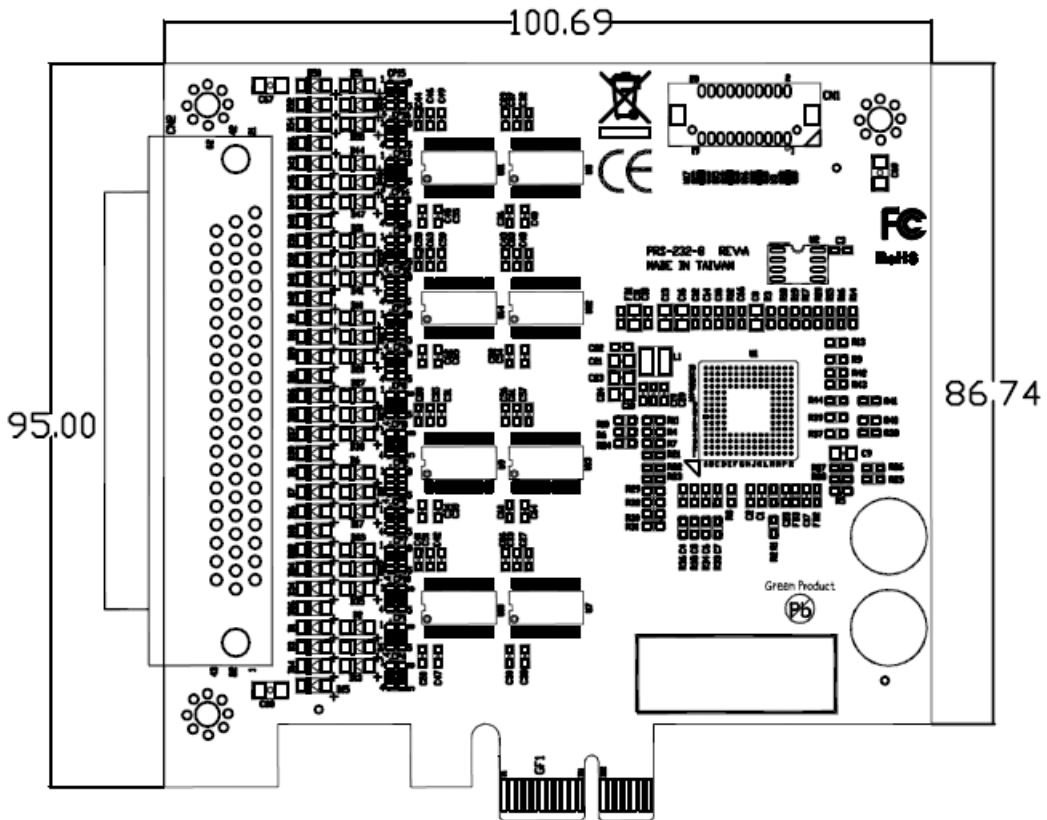
Module Name	PRS-232-8
Module Type	PClex1 to 8 port RS232 Card
Input interface	PCI Express 2.0
Output Connector	62 pin connector to 8*DB9 connector cable
Comm. Controller	XR17V358
Transmission Speed	Max. Data Rate: 1Mbps in RS-232 Modes
Compatible Operating System	Windows XP / Vista / 7 / 8 / 8.1 / 10 Windows Server 2003 / 2008 Linux 2.6.27, 2.6.31, 2.6.32 and newer
Dimensions	110 x 72 (mm)
Operating Temperature	-40°C-85°C

Pin definition

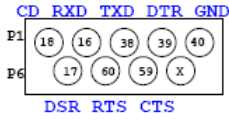
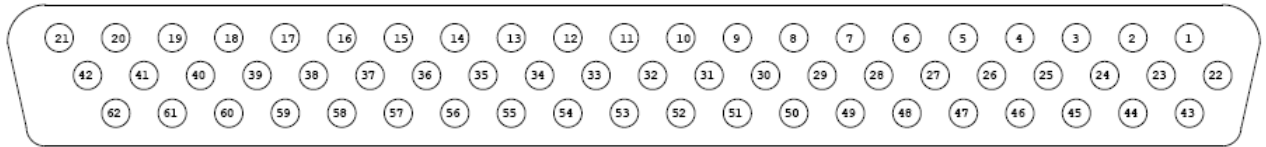
COM 1~8



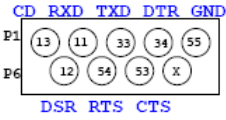
Pin	RS232 Signal Name
1	DCD, Data carrier detect
2	RXD, Receive data
3	TXD, Transmit data
4	DTR, Data terminal ready
5	GND, ground
6	DSR, Data set ready
7	RTS, Request to send
8	CTS, Clear to send
9	RI, Ring indicator



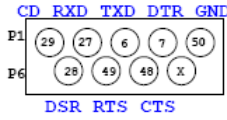
Pin definition



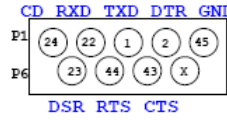
COM6



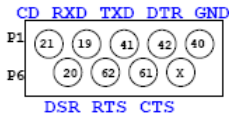
COM4



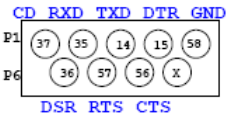
COM2



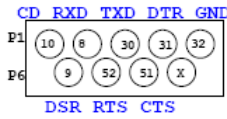
COM0



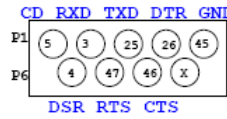
COM7



COM5



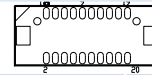
COM3



COM1

Port Signal	1	2	3	4	5	6	7	8
P1 DCD	24	5	29	10	13	37	18	21
P2 RXD	22	3	27	8	11	35	16	19
P3 TXD	1	25	6	30	33	14	38	41
P4 DTR	2	26	7	31	34	15	39	42
P5 GND	45	45	50	32	55	58	40	40
P6 DSR	23	4	28	9	12	36	17	20
P7 RTS	44	47	49	52	54	57	60	62
P8 CTS	43	46	48	51	53	56	59	61

DIO1 PIN DEFINE



Pin	Signal Name	Pin	Signal Name
1	GPIO4	2	GPIO0
3	GPIO5	4	GPIO1
5	GPIO6	6	GPIO2
7	GPIO7	8	GPIO3
9	+5V & +3.3V Select	10	GND
11	GPIO12	12	GPIO8
13	GPIO13	14	GPIO9
15	GPIO14	16	GPIO10
17	GPIO15	18	GPIO11
19	+5V & +3.3V Select	20	GND

Ordering Information

PRS232-8

- PCIe to 8 ports RS232 w/ 1 m 8 ports DB9 cable x1
- Provide driver source code for 16bit GPIO API development

