

# 2S RS232 Multi Serial PCI Express Card

## Installation Guide

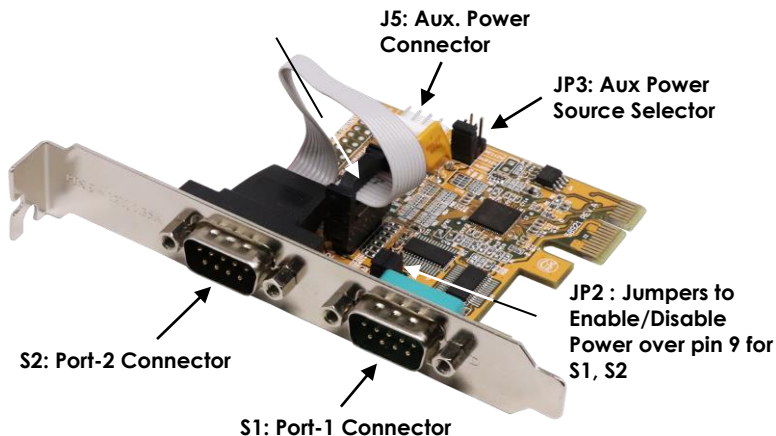
### 1. Introduction

Congratulation on your purchasing this high performance PCI Express multi-serial host adapter. The adapter is high speed PCI Express bus based and plug-and-play compliant. Its serial ports are fully 16C950 UART compatible with most of the RS232C devices available from the market.

#### Features:

- ✓ Full x1 PCI Express Throughput, 250Mbytes/sec
- ✓ Fully Compliant with PCI Express Base Specifications, Revision 2.0 Gen 1
- ✓ 256-byte FIFO UARTs, Fully Compatible with 16C950, Baud Rate up to 921.6Kbps
- ✓ Data Bits: 5, 6, 7, 8, 9
- ✓ Parity: Even, Odd, None, Space and Space
- ✓ Supports 2 RS232 ports over 2 DB9-male Connectors
- ✓ Supports Win 2000, XP, 2003, 2008, Vista, Win 7, 8.x, 10 and Linux

### 2. Board Layout



### 3. Jumper Settings

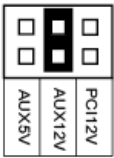
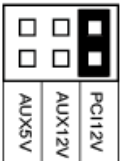
- JP2: - Pin-9 Power Setting Jumpers for S1 and S2:** The design of each DB9 male connector has an option to supply DC power to its Pin-9. Pin number 9 of the DB9 connector was defined for RS232 RI (Ring Indicator) signal. Since some applications do NOT use this signal, in this case, Pin-9 can be used to deliver DC power for the serial devices. This product provides 2 settings for the power, +5V and +12V. The default factory setting was set at "DIS" (RI signal), i.e. no power supplied on the DB9M connector's Pin-9.

**Pin-9 Power Setting Table:**

JP2	Jumper Settings
<b>No Power Supplied on Pin-9 of both S1 and S2 (Default)</b>	
S1's Pin-9 has power, S2's doesn't have	
S2's Pin-9 has power, S1's doesn't have	

- JP3 - AUX. POWER Source Selector:**

JP4	Settings
<b>External 5V:</b> Power source is +5VDC, from J5 AUX power connector. <b>(Default)</b>	

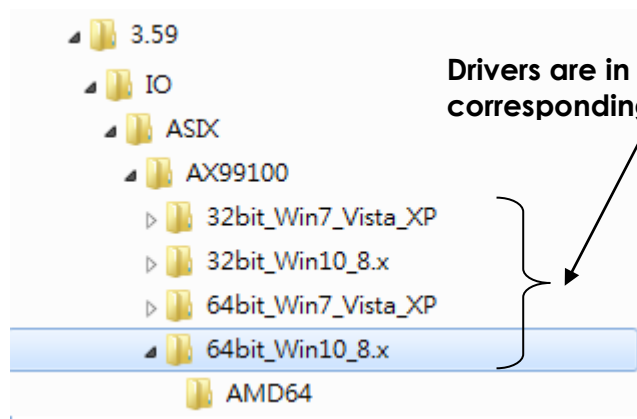
<p><b>External 12V:</b> Power source is +12VDC, from J5 AUX power connector.</p>	
<p><b>Internal 12V:</b> Power source is +12VDC, from PCIe golden finger (motherboard's PCIe slot)</p>	

## 4. Software Driver Installation



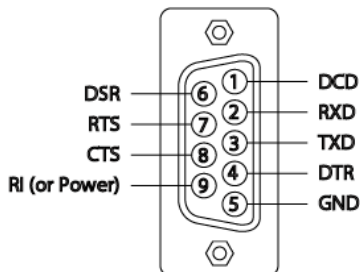
**Note:**

**PLEASE DO NOT LET WINDOWS AUTO SEARCH THE DRIVERS ON THE CD,** it will cause problems because the INF files will be conflict in this case. Instead, please browse to the correct location (folder) manually to make sure the correct drivers are chosen and installed correctly.



## 5. DB9 (male) Pin Assignments

RS232 Pin Assignment



## 6. Specifications

Type	Specifications
Connectors	DB9 Male
Bus Interface	PCI Express x 1
Number of Ports	2
RS-232 Signals	TXD, RXD, RTS, CTS, DTR, DSR, DCD, GND
Baud Rate	110 bps to 921.6Kbps
Data Bits	5,6,7,8,9
Stop Bits	1, 1.5, 2
Parity	None, Even, Odd, Space, Mark
Flow Control	RTS/CTS, XON/XOFF
Power Requirement	3.3V/150mA
Operating Temperature	0 to 55°C (32 to 132°F)
Operating Humidity	5 to 95% RH
Storage Temperature	-20 to 85°C (-4 to 185°F)