

# EX-48024

## 4S Serial RS-232 Mini PCIe card

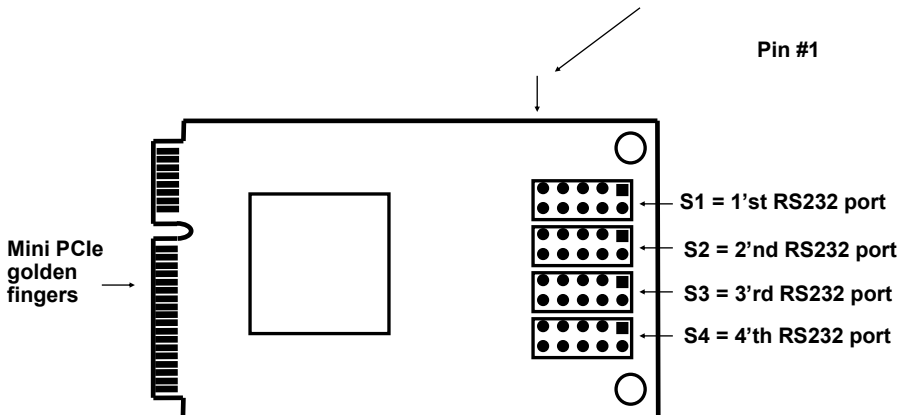
### 1. Introduction

Congratulation on your purchasing this high performance Mini PCI Express (Mini PCIe) serial card. The card is high speed PCI Express bus based and plug-and-play compliant. Its enhanced serial ports (256-byte deep FIFO) are fully 16C550 UART compatible with most of the RS232C devices available from the market.

#### Features:

- √ Full x1 Mini PCI Express Throughput, 250Mbytes/sec
- √ Fully Compliant with PCI Express Base Specifications, Revision 1.1
- √ Extended 16C650 UARTs, Fully Compatible with 16C550, Baud Rate up to 921.6Kbps
- √ Supports Win 2000, 2003, XP-32, XP-64, Vista-32, Vista-64, Win7-32, Win7-64, Mac OS and Linux

### 2. Board Layout



### 3. Installing the Mini PCIe Card

1. Remove the Mini PCIe card from its protective antistatic packaging, remove the screw holding the Mini PCIe card to the motherboard and insert the new Mini PCIe card into the socket.



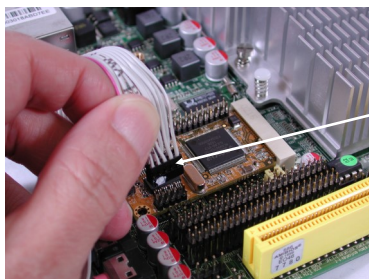
Mini PCIe Socket

2. Put the Mini PCIe card onto the motherboard and attach it with the screw.



Holding screw

3. Install the serial flat cables. Please mind the pin 1 position marked with the white dot.



White dot next to pin 1

## 4. Installing the Combo PCI Card

1. To install the Windows drivers, there are two methods, one is to run the setup utility (**StnSetup.exe**) in each corresponding folder. The other one is by the Windows' driver installation Wizard. We recommend you run the setup utility. It will be simpler. However, **PLEASE REFRESH HARDWARE OR REBOOT THE SYSTEM IN CASE YOUR DRIVER DID NOT TAKE EFFECT AFTER RUNNING THE SETUP UTILITY.**

The drivers are shipped in the following folders on the driver CD:

E:\IO\MOSCHIP\MCS99xx

(E:) Drivers 3.28 ▶ IO ▶ MOSCHIP ▶ MCS99xx ▶

Linux

Mac

VISTA

Win7\_XP\_2K\_2003\_2008

WinCE6.0

Drivers are in each corresponding folder

AMD64

MOSCHIP\_StnUninst.exe ← Driver Uninstalling Program

pcieports.cat

StnLang.ini

StnMF.inf

StnNULL.inf

StnPorts.inf

StnSetup.exe ← Driver Installing Program

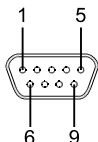
## 5. Uninstalling the Software Drivers

In some cases, you may want to uninstall the drivers. To remove the drivers that already installed for Windows, there are two methods:

1. **Run (double click) the uninstall program (for example MOSCHIP\_ StnUninst.exe)** in each Windows' folder on the supplied driver CD, it is usually in the same folder as the StnSetup.exe utility:
1. **Go to Windows' Control Panel's Add/Remove Program** to remove the drivers.

## 6. Connector Pin Assignments

DB9 (Male) on the 9-pin Flat cable:



Serial 9 Pin D-SUB male connector (S1 and S2):					
Pin	Signal	Pin	Signal	Pin	Signal
1	CDC	4	DTR	7	RTS
2	RXD	5	GROUND	8	CTS
3	TXD	6	DSR	9	RI