

INTRODUCTION

The PCI-Express multi-I/O card is designed based on a high performance PCI serial communication chip from SystemBase company, and a PCI-Express to PCI bridge, providing multiple serial device connectivity to your desktop computer. Most of the latest motherboards no longer come with a serial port. By using this card, user can add multiple serial ports to their computer for connecting serial devices. The product offers superior performance and unmatched data transfer rates. It is ideal for industrial automation applications.

FEATURES & SPECIFICATION

General

- Easy installation, automatically selects IRQ and I/O address
- Fully compliant with PCI-Express Base Specification Revision 1.1
- Supports IRQ sharing feature, saves valuable resources for other add-on cards
- Supports multiple cards on one PC
- Supports Windows 8 32-/64-bit, Windows 7 32-/64-bit, Windows Server 2008 R2 64bit, Windows Server 2008 32-/64-bit, Windows Vista 32-/64-bit, Windows Server 2003 32-/64-bit, Windows XP 32-/64-bit, Windows 2000 SP4, Windows 98SE / ME, DOS, Linux kernel 2.6.14 or above

Serial Port (RS-232) Interface

- Compatible with industrial standard 16C550 UART
- On-chip 256-byte Transmit FIFO and 256-byte Receive FIFO for each serial port
- Fast data rate up to 230.4Kbps on each port
- Supports hardware and software flow control
- Supports 5-, 6-, 7-, 8-bit serial format
- Supports Even, Odd, or No Parity Bit Generation and Detection
- Supports 1, 1.5, or 2 Stop Bit Generation
- Optional jumpers (Port x PWR) for setting RI, +5V, or +12V on pin 9 of each serial port DB9 connector (Available on special models)

HARDWARE INSTALLATION

1. For special models with a daughter card, please note that the red line and the triangle mark on the cable should match with the triangle mark on and pcbs during connecting the cable between the main card and daughter card.
2. For special models with optional jumpers (JPx), refer to the below figure to select the function of the 9th pin of each DB9 serial port connector. Assume the serial port used is PORT1:

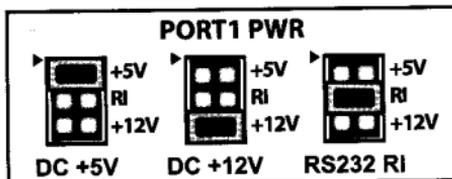


Figure 1 – Jumper block to configure the 9th pin of the DB9 serial port function

3. Turn off your computer and all devices connected to it.
4. Remove the computer's cover. Refer to your computer user's manual for more details.
5. Locate an un-used PCI-Express slot and remove the metal bracket. Save the bracket screw for later use.

- Align the card horizontally with respect to the PCI-Express slot and insert it into the slot firmly and evenly. Take care not to force it into the slot. Once you have properly positioned the card into the slot, secure the card with the bracket screw you have saved.
- Replace the computer's cover.
- Turn your computer on. You are now ready to install the driver

DRIVER INSTALLATION

Installing Driver for Windows 8, Windows 7, Server 2008, Vista, Server 2003, and XP:

- Start Windows and insert the driver CD into the CD-ROM drive, assume drive D.
- Windows will automatically detect the product. Select "**Locate and install driver software (recommended)**" and click **Continue**. If the operating system cannot automatically search and download driver from Windows Update, then select "**I don't have the disc. Show me other options**".
- Click on "**Browse my computer for driver software (advanced)**"; and then browse to the following folder on the driver CD. Assume the operating system used is Windows Vista 32bit:
D:\SystemBase\WinXP_Server2003_Vista_Server2008\Windows32bit
For Windows Vista 64bit operating systems, the drivers are located under this folder:
D:\SystemBase\WinXP_Server2003_Vista_Server2008\Windows64bit
- Click **Next** to continue.
- Follow the on-screen instruction until the driver is installed completely.
- Select "**Install this driver software anyway**" when Vista prompt the following:
Windows can't verify the publisher of this driver software.
- Finally click **Close** when all the drivers have been installed.

Installing Driver for Windows 2000 SP4, and 98SE / ME:

- Start Windows and insert the Driver CD into the CD-ROM drive, assume drive D.
- Windows will automatically detect the product. Select "**Search for the best driver for you device (Recommended)**" and click the **Next** button to continue.
- Check "**Specify a location**" and then click the **Browse** button to select the location for the drivers. Assume the operating system used is Windows 98SE:
D:\SystemBase\Win98SE_ME_2K
- Click **OK** button to confirm and click **Next** button to continue.
- Follow the on-screen instruction to finish driver installation.

Installing Driver for DOS:

Please see the documentation on the driver disc folder: **\SystemBase\DOS**

Installing Driver for Linux:

Please see the documentation on the driver disc folder: **\SystemBase\Linux**

Updating Drivers:

The latest drivers and last-minute change to this document are available on this website:

<http://www.drivers-download.com>

Search for the following Download Code **DL-0385102** from "Drivers Search".

All specifications and information are subjected to change without prior notice.

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