



# User Guide

## 2-Port DB9 RS232 Serial PCI Express (PCIe) Adapter

Model No.: XM-PEX-2S

For the most up-to-date information, please visit [www.x-mediausa.com](http://www.x-mediausa.com)

Version 1.1

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## Package Contents

The following items should be found in the package:

- XM-PEX-2S PCIe Adapter
- Half-Height/Low Profile Bracket (2 pcs)
- Driver CD Disk
- User Guide

**Note:** *The above list is for reference only. The actual content may differ according to the product you purchased. Please save the original packaging material for future reference. If any of the listed items are damaged or missing, please contact with your seller.*

## Conventions

The “Adapter” mentioned in this User Guide stands for XM-PEX-2S without any explanations.

## Chapter 1 Product Overview

### 1.1 Introduction

The XM-PEX-2S Dual-Serial Port / RS232 PCIe Adapter is designed to add two DB9 (9-pin) RS232 serial ports to your PCI Express enabled desktop computer. This dual port serial PCIe Adapter features 256-byte FIFO buffer to support fast data transferring to ensure optimal performance in multi-tasking environment. This is a high-performance Adapter to add two RS232 serial ports for connecting additional serial-based devices such as a POS system, industrial testing and control device, security system, logistic management equipment and more.

### 1.2 Features

- Compliant with PCI Express Base Specification Revision 1.1
- Single-lane PCI Express with throughput up to 2.5Gbps
- Compatible with industrial standard 16C550/16C552/16C554 and 16C750 UART
- Data transfer rate up to 115Kbps on each port
- On chip 256-byte depth FIFO in transmit, receive path of each port
- Support 5-6-7-8-bit serial format, 1 or 2 Stop bit mode
- Support MODEM signal CTS, DSR, RI, DCD, DTR, RTS can be converted to RS232 level

- Odd, Even, No parity, space 0 and mark 1 etc.
- Support Windows 98SE / ME / Server 2000 / XP / Server 2003 / Vista / 7 / Server 2008 / 8 / 8.1 / Server 2016 / 10 (32/64 bit), DOS, Linux

## **Chapter 2 Installation Guide**

### **2.1 Hardware Installation**

To install the Adapter, please follow these steps listed below:

1. Turn off your computer and unplug the power cord and all cables
2. Remove your computer's case cover
3. Locate an available PCI Express slot
4. Remove the screw that secures the slot bracket (the small piece of metal that covers the opening for PCI Express Adapter on the back panel of your computer), then remove the slot bracket
5. Carefully insert the Adapter into the PCI Express slot. Please avoid touching the gold connector of the Adapter
6. Secure the Adapter to the case by using the screw you removed from the slot bracket
7. Reinstall your computer's case cover
8. Plug in the power cord and all other cables, and then turn on your computer

### **2.2 Software Installation**

For Driver installation, please follow these steps listed below:

1. Start Windows and insert the Driver CD disk into the CD-ROM drive
2. Windows will automatically detect the Adapter, ignore the driver installation wizard
3. Browse to the following folder on the Driver CD, select your operating system

#### **2.2.1 For Windows Operating System (32bit):**

D:\WCH38XDRV\PUMPSETUP.exe

1. Run **PUMPSETUP.exe** to start driver installation
2. Select **"Auto identify card"** and click **"install driver"**
3. After the installation is finish, click **"OK"**, then click **"Exit"** to close the software
4. Once driver installation is completed, click refresh for hardware changes

**2.2.2 For Windows Operating System (64bit):**

D:\WCH38XDRV\SETUPX64\PUMPSETUP64.exe

1. Run **PUMPSETUP64.exe** to start driver installation
2. Select **“Auto identify card”** and click **“install driver”**
3. After the installation is finish, click **“OK”**, then click **“Exit”** to close the software
4. Once driver installation is completed, click refresh for hardware changes

**Installing Driver for Linux and DOS:**

Please refer to the installation manual on the Driver CD under these Operating System folders to install the driver.