

# EiRA PCIe x1 to 4S DB9 RS232 Serial Card

SKU Code: ER3074



## Product Overview

The EiRA PCIe x1 to 4-Port DB9 RS232 Serial Card is a high-performance expansion solution designed to add multiple serial ports to your system via a PCI-Express slot. Built with an advanced WCH controller chipset, it ensures stable, high-speed data communication for industrial, commercial, and computing applications. Ideal for connecting legacy and industrial serial devices such as printers, scanners, modems, and automation systems.

## Product Highlights / Features

- Fully compliant with PCI-Express Base Specification Revision1.1
- **PCIe High-Speed Interface**- Supports PCI-Express with data throughput up to **2.5Gbps**
- **Multi-Port Expansion**- Adds **4 × RS232 serial DB9 ports**
- **Advanced UART Support**- Compatible with **16C550 / 16C552 / 16C554 / 16C750**
- **High Data Transmission**- Supports bi-directional data transmission, speed up to **2Mbps**
- **FIFO Buffer**- 256-byte FIFO for each port ensures smooth data flow
- **Flexible Serial Configuration**- Supports **5/6/7/8-bit data, 1 or 2 stop bits**
- **Wide OS Compatibility**- Works with Windows, Linux, DOS systems
- **Industrial Reliability**- Stable performance for continuous operations
- **IR Support**- The built-in SIR infrared codec, support 2400bps to 115200bps baud rate IrDA infrared communication

## Technical Specifications

<b>Brand</b>	EiRA
<b>SKU Code</b>	ER3074
<b>Product Name</b>	PCIe x1 to 4S DB9 RS232 Serial Card
<b>Chipset</b>	WCH384L
<b>Interface</b>	PCI-Express x1- Compatible with x1/x4/x8/x16 slots
<b>Connector Type</b>	4 × DB9 RS232 Serial Ports
<b>Form Factor</b>	Plug-in Card with Small Form Factor Support
<b>Small/Low Profile Bracket</b>	NA
<b>PCI Specification Rate</b>	PCIe 1.1
<b>Data Transfer Rate</b>	Up to 2 Mbps
<b>Bandwidth</b>	Up to 2.5 Gbps
<b>UART Compatibility</b>	16C550 / 16C552 / 16C554 / 16C750
<b>FIFO Buffer</b>	256-byte (per port)
<b>Serial Format Support</b>	5 / 6 / 7 / 8-bit
<b>Stop Bits</b>	1 or 2
<b>IR Support</b>	2400bps to 115200bps (IrDA)
<b>Dimensions</b>	60x118x19 mm
<b>Weight</b>	45 gms
<b>Operating System</b>	Windows DOS/Linux/2000/Server2003/XP/Vista/Server 2008/Win 7/Win 8(32/64bit)/Win10/Win11
<b>Warranty</b>	1-Year Limited Warranty

## Package Content

- 1 × PCIe Serial Card
- 1 × Driver CD
- 1 × Manual

## Application Industry

- Industrial Automation
- POS Systems
- Networking & Communication
- Embedded Systems
- Surveillance & Security
- Legacy Device Integration

## Hardware Installation

1. Turn off the computer and disconnect power.
2. Open the system cabinet.
3. Insert the card into an available PCIe slot.
4. Secure the card and close the cabinet.
5. Power on the system.

## Driver Installation (Windows)

### Installation Steps

1. Start your computer and insert the **Driver CD** into the CD-ROM drive (assumed as drive **D:**).
2. The system may automatically detect the device. **Ignore the automatic driver installation wizard.**
3. Browse to the appropriate folder on the Driver CD based on your operating system:

### For 32-bit Windows

Path: D:\WCH38XDRV\PCISSETUP.exe

1. Run **PCISSETUP.exe**
2. Select **“Auto Identify Card”**
3. Click **“Install Driver”**
4. After installation, click **“OK”**, then **“Exit”**
5. Refresh hardware or restart the system

### For 64-bit Windows

Path: D:\WCH38XDRV\SETUPX64\PCISSETUP64.exe

1. Run **PCISSETUP64.exe**
2. Select **“Auto Identify Card”**
3. Click **“Install Driver”**
4. After installation, click **“OK”**, then **“Exit”**
5. Refresh hardware or restart the system

### Post Installation

- Once the driver installation is complete, you can connect external devices to the PCIe card.
- For external device drivers, refer to their respective user manuals.



### Verify Driver Installation (Windows)

- Open Control Panel → System Properties → Device Manager
- Expand Ports (COM & LPT)
- You should see installed ports such as:
  - PCI Express Serial Port(s)
  - PCI Express Parallel Port (if applicable)

## Driver Installation (Linux & DOS)

- Refer to the **Driver CD** for installation instructions specific to Linux and DOS systems.

## Support

-  **Customer Care:** +91 8800692207 (Mon–Sat, 11:00 AM – 5:30 PM)
-  **Support:** [www.eiratek.com/customer-support](http://www.eiratek.com/customer-support)
-  **Website:** [www.eiratek.com](http://www.eiratek.com)