

Vikye Vikyeg7biqx3wzm

Vikye PCIE RS232 DB9 Serial Port Expansion Card User Manual

Model: Vikyeg7biqx3wzm

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Vikye PCIE RS232 DB9 Serial Port Expansion Card. This card allows you to add two RS232 DB9 serial ports to your desktop computer or industrial equipment via a PCI Express slot. Please read this manual thoroughly before installation and use to ensure proper functionality and safety.

2. PRODUCT FEATURES

- **Dual RS232 Ports:** Adds two RS232 DB9 serial ports to desktop computers or industrial equipment.
- **PCIe X1 Interface:** Compatible with X1, X4, X8, and X16 PCI Express slots.
- **Wide OS Support:** Requires driver installation for Windows XP, Vista, 7, 8.x, 10, 11 (32/64 bit) systems. Linux kernel 2.6.x, 3.x, 4.x, 5.x requires reference to compiled source code.
- **ASIX AX99100 Chipset:** Utilizes the ASIX AX99100 program, supporting on-chip 256-byte depth FIFO transfers.
- **Broad Compatibility:** Suitable for Intel and ARM hardware platforms.
- **Versatile Applications:** Ideal for connecting POS systems, industrial measurement and control devices, security systems, logistics management devices, scanners, printers, and other serial DB9 port devices.

3. PACKAGE CONTENTS

Please verify that all items are present and in good condition upon opening the package.

- 1 x Vikye 2 Port PCI Express RS232 DB9 Serial Port Card
- 1 x Mini CD (containing drivers)

4. INSTALLATION GUIDE

4.1. System Requirements

- Available PCI Express slot (X1, X4, X8, or X16).
- Operating System: Windows XP/Vista/7/8.x/10/11 (32/64 bit) or Linux (kernel 2.6.x, 3.x, 4.x, 5.x).

4.2. Hardware Installation

1. **Power Off:** Completely shut down your computer and disconnect the power cord.
2. **Open Case:** Open the computer case to access the motherboard.
3. **Locate PCIe Slot:** Identify an available PCI Express slot (X1, X4, X8, or X16). Ensure it is clear of obstructions.
4. **Insert Card:** Carefully align the expansion card with the chosen PCIe slot and press it firmly until it is securely seated.
5. **Secure Card:** Secure the card with a screw to the computer chassis, if applicable.
6. **Close Case:** Close the computer case and reconnect the power cord.
7. **Power On:** Power on your computer.

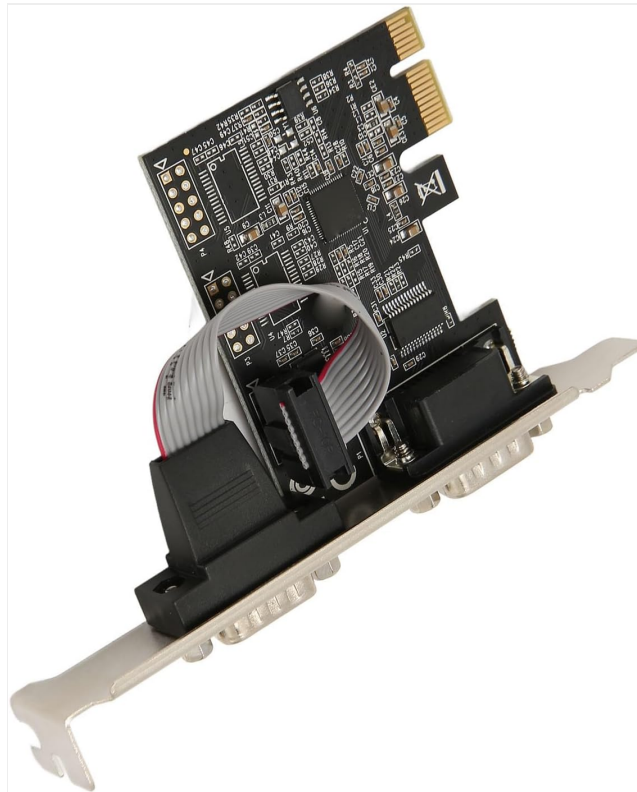


Image 1: Angled view of the Vikye PCIe RS232 DB9 Serial Port Expansion Card, showing the PCIe connector and the two DB9 serial ports.

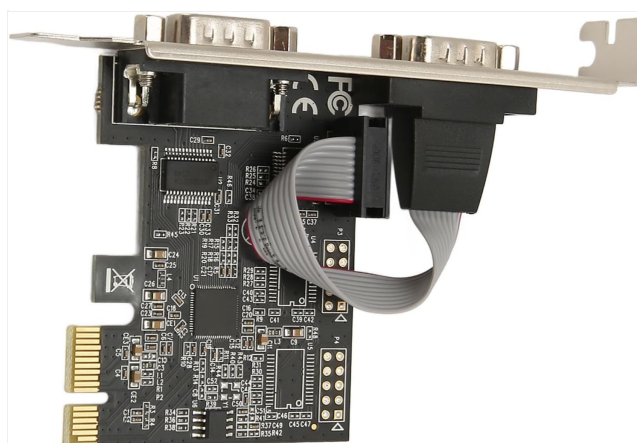


Image 2: Top view of the expansion card, highlighting the circuit board components and the ribbon cable connecting to the DB9 ports.



Image 3: Close-up view of the two DB9 serial ports on the expansion card's bracket.

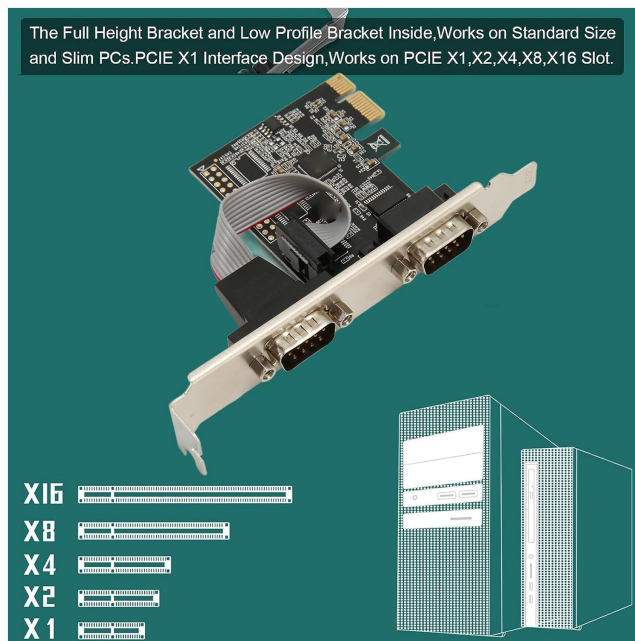


Image 4: Diagram illustrating the compatibility of the PCIe X1 interface with various PCIe slot sizes (X1, X2, X4, X8, X16) and showing the card installed in a desktop PC.

5. DRIVER INSTALLATION

After physical installation, you must install the appropriate drivers for the card to function correctly.

1. **Insert Mini CD:** Insert the provided Mini CD into your computer's optical drive.
2. **Locate Driver:** Navigate to the driver folder for your operating system (e.g., Windows 10 64-bit).
3. **Run Installer:** Execute the driver setup file (e.g., setup.exe).
4. **Follow Prompts:** Follow the on-screen instructions to complete the driver installation.
5. **Restart Computer:** Restart your computer after the installation is complete to ensure the drivers are properly loaded.

Note: If your computer does not have an optical drive, you may need to download the drivers from the manufacturer's website (if available) or transfer them using another device.

6. OPERATING INSTRUCTIONS

Once the card is installed and drivers are loaded, your operating system should recognize the new serial ports. You can verify this in Device Manager (Windows) or by checking system logs (Linux).

- **Connecting Devices:** Connect your RS232 DB9 compatible devices (e.g., scanners, printers, POS terminals) to the serial ports on the expansion card.
- **Software Configuration:** Configure your application software to use the newly available COM ports (e.g., COM3, COM4) for communication with your connected devices. Refer to your device's and software's documentation for specific settings (baud rate, data bits, parity, stop bits, flow control).

7. APPLICATIONS

The Vikye PCIE RS232 DB9 Serial Port Expansion Card is suitable for a wide range of applications, including:

- Point-of-Sale (POS) systems
- Industrial measurement and control devices
- Security systems
- Logistics management devices
- Connecting scanners and printers
- Legacy serial device integration

8. SPECIFICATIONS

Feature	Description
Item Type	2 Port PCI Express RS232 DB9 Serial Port Card
Material	PCB
Chipset	ASIX AX99100
Bus Interface	PCIE X1 (Compatible with X1, X4, X8, X16 slots)
Expansion Interface	2 x RS232 DB9 Serial Ports
FIFO Depth	256 Byte (on-chip)
Operating System Support	Windows XP/Vista/7/8.x/10/11 (32/64 bit), Linux (kernel 2.6.x, 3.x, 4.x, 5.x)
Compatible Platforms	Intel, ARM hardware platforms
Item Weight	2.26 ounces (64 Grams)
Package Dimensions	6.65 x 5.28 x 1.26 inches
Model Number	Vikyeg7biqx3wzm

9. TROUBLESHOOTING

- **Card Not Detected:**
 - Ensure the card is fully seated in the PCIe slot.
 - Try the card in a different PCIe slot, if available.

- Verify that your PC has an available PCIe slot and it is functioning correctly.

- **Drivers Not Installing/Working:**

- Ensure you are installing the correct driver for your operating system version (32-bit vs. 64-bit).
- Disable antivirus software temporarily during driver installation.
- Check Device Manager for any yellow exclamation marks indicating driver issues. Try updating the driver manually.

- **Serial Device Not Communicating:**

- Verify the serial cable connection between the card and the device.
- Confirm the correct COM port is selected in your application software.
- Check the serial communication settings (baud rate, data bits, parity, stop bits, flow control) in your software to match the device's requirements.
- Test with another known-working serial device or cable if possible.

10. MAINTENANCE

The Vikye PCIE RS232 DB9 Serial Port Expansion Card requires minimal maintenance. To ensure optimal performance and longevity:

- Keep the computer environment clean and free of dust. Dust accumulation can lead to overheating and component failure.
- Ensure proper airflow within your computer case to prevent excessive heat buildup.
- Avoid exposing the card to extreme temperatures or humidity.
- Handle the card by its edges to prevent damage to components or static discharge.

11. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation provided with your purchase or contact your retailer. Keep your proof of purchase for warranty claims.

© 2023 Vikye. All rights reserved.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question