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› Diyeeni Dual Serial 2 Port + 1 Parallel Port PCI Express Card User Manual

Diyeeni Diyeeniu0g8fgmb9k

Diyeeni Dual Serial 2 Port + 1 Parallel Port PCI Express Card User Manual

Model: Diyeeniu0g8fgmb9k

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the Diyeeni Dual Serial 2 Port + 1 Parallel Port PCI Express Card. This card allows for the expansion of your computer's connectivity by adding two RS232 serial ports and one LPT parallel port via a PCI Express slot.

2. PRODUCT FEATURES

- Adds two 9-pin RS-232 DB9 external serial ports.
- Adds one 25-pin external parallel LPT port.
- Complies with PCI Express Specification Revision 1.1.
- Utilizes the WCH382 master chip for stable performance.
- PCI Express single lane (x1) bus bandwidth of 2.5 Gbps.
- Supports DOS, Windows (8 / 7 / Vista / XP / 2000 / Server 2003/2008 32/64 bit), and Linux operating systems.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x PCI Express Riser Card
- 1 x Cover Board (Low-profile bracket)
- 1 x Serial Cable (for connecting serial ports to the bracket)



Image: The PCI Express card components, including the main board, serial port brackets, parallel port bracket, and an additional low-profile bracket.

4. SETUP AND INSTALLATION

4.1 Hardware Installation

1. **Power Off and Disconnect:** Before beginning installation, power off your computer and disconnect all power cables and peripherals.
2. **Open Computer Case:** Remove the side panel of your computer case to access the motherboard.
3. **Locate PCI Express Slot:** Identify an available PCI Express (PCIe) x1 slot on your motherboard.
4. **Remove Slot Cover:** Remove the metal slot cover corresponding to the chosen PCIe slot on the back of your computer case.
5. **Insert PCI Express Card:** Carefully align the Diyeeni PCI Express card with the PCIe slot and press down firmly until it is securely seated.



Image: Top view of the PCI Express card, illustrating its components before installation.

6. **Secure the Card:** Secure the card with a screw to the computer case.
7. **Connect Serial/Parallel Brackets:** Connect the serial and parallel port cables from the main card to their respective brackets. Install these brackets into available expansion slots on your computer case and secure them.



Image: The Diyeeni PCI Express card fully assembled with its serial and parallel port brackets, ready for installation or already installed in a system.

8. **Close Case and Reconnect:** Replace the computer case side panel, reconnect all cables, and power on your computer.

4.2 Driver Installation

Upon booting your operating system, the system may automatically detect and install the necessary drivers. If not, follow these steps:

1. **Insert Driver CD:** Insert the provided driver CD into your optical drive.
2. **Run Setup:** Navigate to the CD drive in "My Computer" or "This PC" and run the setup executable (e.g., "setup.exe" or "install.exe").
3. **Follow On-Screen Instructions:** Follow the prompts to complete the driver installation.
4. **Download Drivers (if no CD):** If a driver CD is not available or is corrupted, visit the Diyeeni official website or the WCH (WCH382 chip manufacturer) website to download the latest drivers for your operating system.
5. **Restart Computer:** After installation, restart your computer to ensure drivers are properly loaded.

5. OPERATING INSTRUCTIONS

Once the card and drivers are successfully installed, the new serial and parallel ports will be available for use by your operating system and applications.

5.1 Verifying Installation

To verify that the ports are recognized by your system:

- **Windows:** Open Device Manager (Right-click "This PC" or "My Computer" -> Manage -> Device Manager). Expand "Ports (COM & LPT)" to see the newly added serial (COM) and parallel (LPT) ports.
- **Linux:** Use commands like `dmesg | grep ttyS` for serial ports or `check/dev/lp0` for parallel ports.



Image: A detailed view of the WCH382L master chip, which is central to the card's functionality.

5.2 Connecting Devices

Connect your serial (RS232) and parallel (LPT) devices to the corresponding ports on the back of your computer. Ensure that the devices are compatible with the port specifications.

6. MAINTENANCE

The Diyeeni PCI Express Card requires minimal maintenance. Follow these guidelines to ensure optimal performance and longevity:

- **Keep Clean:** Periodically clean the interior of your computer case to prevent dust buildup on the card, which can lead to overheating. Use compressed air for this purpose.
- **Driver Updates:** Regularly check the manufacturer's website for updated drivers to ensure compatibility and performance improvements.
- **Physical Inspection:** Occasionally inspect the card for any visible damage or loose connections.

7. TROUBLESHOOTING

If you encounter issues with your Diyeeni PCI Express Card, refer to the following troubleshooting steps:

- **Card Not Detected:**
 - Ensure the card is fully seated in the PCI Express slot.
 - Try installing the card in a different PCI Express slot.
 - Verify that the slot is functional with another PCIe device if possible.
- **Drivers Not Installing/Working:**
 - Download the latest drivers directly from the manufacturer's website.
 - Ensure you are installing the correct drivers for your operating system (32-bit or 64-bit).
 - Temporarily disable antivirus software during driver installation.
- **Connected Device Not Responding:**
 - Verify that the device is properly connected to the correct port.
 - Check the device's own power and functionality.
 - Ensure the device's software or application is configured to use the correct COM or LPT port number.
 - Check port settings (baud rate, data bits, parity, stop bits, flow control) in Device Manager to match the connected device's requirements.
- **System Instability:**
 - Ensure your system's power supply is adequate for all installed components.

- Check for conflicts in Device Manager (yellow exclamation marks).

8. SPECIFICATIONS

Feature	Detail
Model Number	Diyeenu0g8fgmb9k
Hardware Interface	PCI Express x1
Serial Ports	2 x RS232 (DB9)
Parallel Port	1 x LPT (DB25)
Chipset	WCH382
PCIe Revision	1.1
Bus Bandwidth	2.5 Gbps (PCI Express single lane)
UART Compatibility	16C450/16C550 standard
Serial FIFO	256-byte (built-in)
Max Serial Data Rate	250 Kbps (up to 1 Mbps customized)
Supported OS	DOS, Windows (8/7/Vista/XP/2000/Server 2003/2008 32/64-bit), Linux
Dimensions (LxWxH)	4.72 x 4.72 x 0.79 inches
Item Weight	4.9 ounces
UPC	738604377555, 738604383020

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or visit the official Diyeeni website. Keep your purchase receipt for warranty claims.

Manufacturer: Diyeeni

Contact: Refer to the official Diyeeni website for support contact details.