

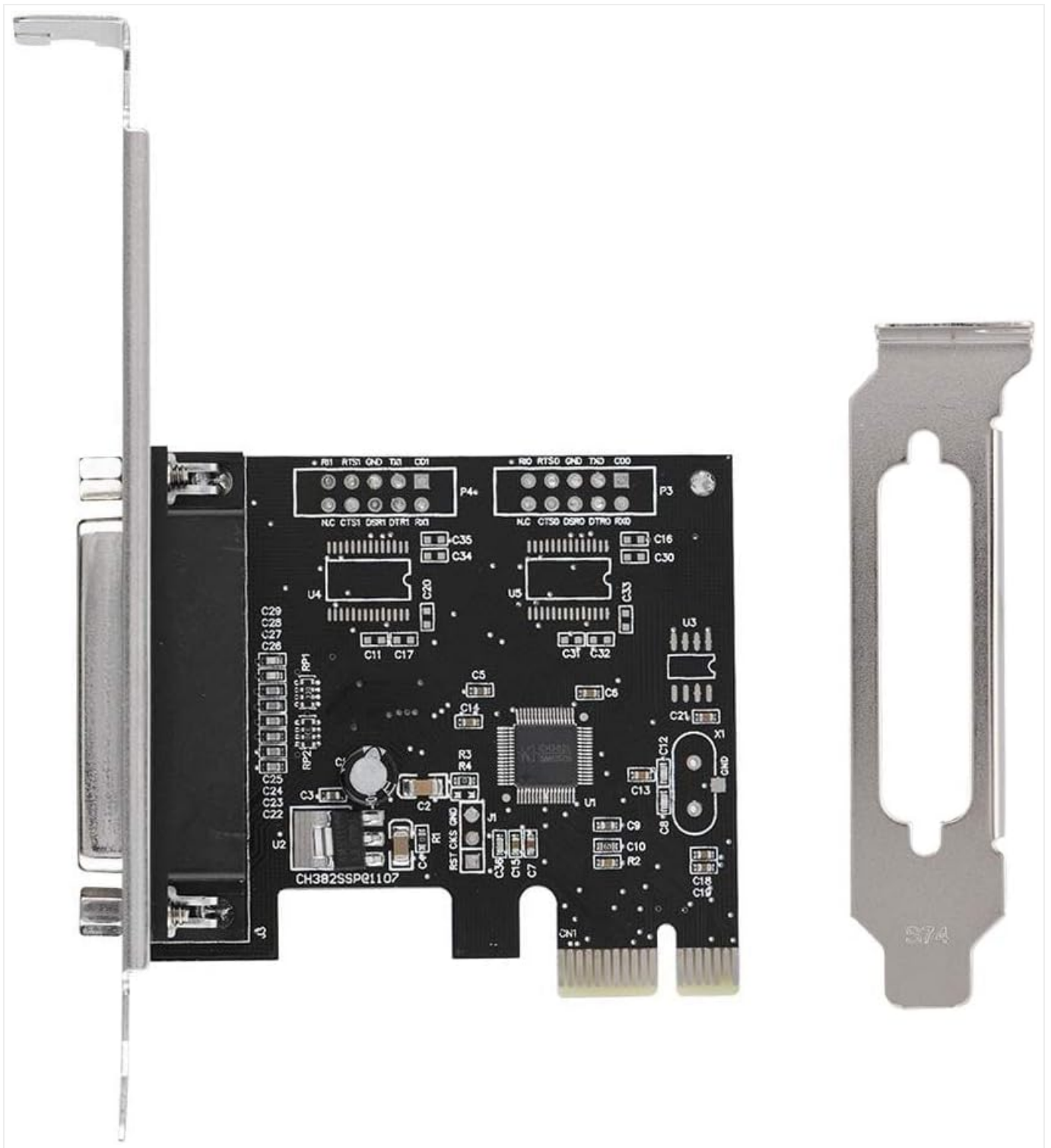
## Diyeeni PCIE to DB25

# Diyeeni PCIE to DB25 LPT Parallel Port Expansion Card User Manual

Model: PCIE to DB25

## 1. PRODUCT OVERVIEW

The Diyeeni PCIE to DB25 LPT Parallel Port Expansion Card is designed to add a single parallel port to your computer system via a PCI Express slot. This card enables connectivity with various parallel devices, including printers, programmers, and scanners, that utilize the IEEE 1284 printing protocol. It supports a wide range of operating systems, ensuring broad compatibility for legacy hardware integration.



**Image 1.1:** The Diyeeni PCIe to DB25 LPT Parallel Port Expansion Card, showing the DB25 connector and the PCI Express interface, alongside the included low-profile bracket.

## 2. PACKAGE CONTENTS

- 1 x Diyeeni PCIe to DB25 LPT Parallel Port Expansion Card
- 1 x Low-profile Bracket (Cover Board)
- 1 x Driver Mini-CD (may vary by package)

## 3. SETUP AND INSTALLATION

### 3.1 Hardware Installation

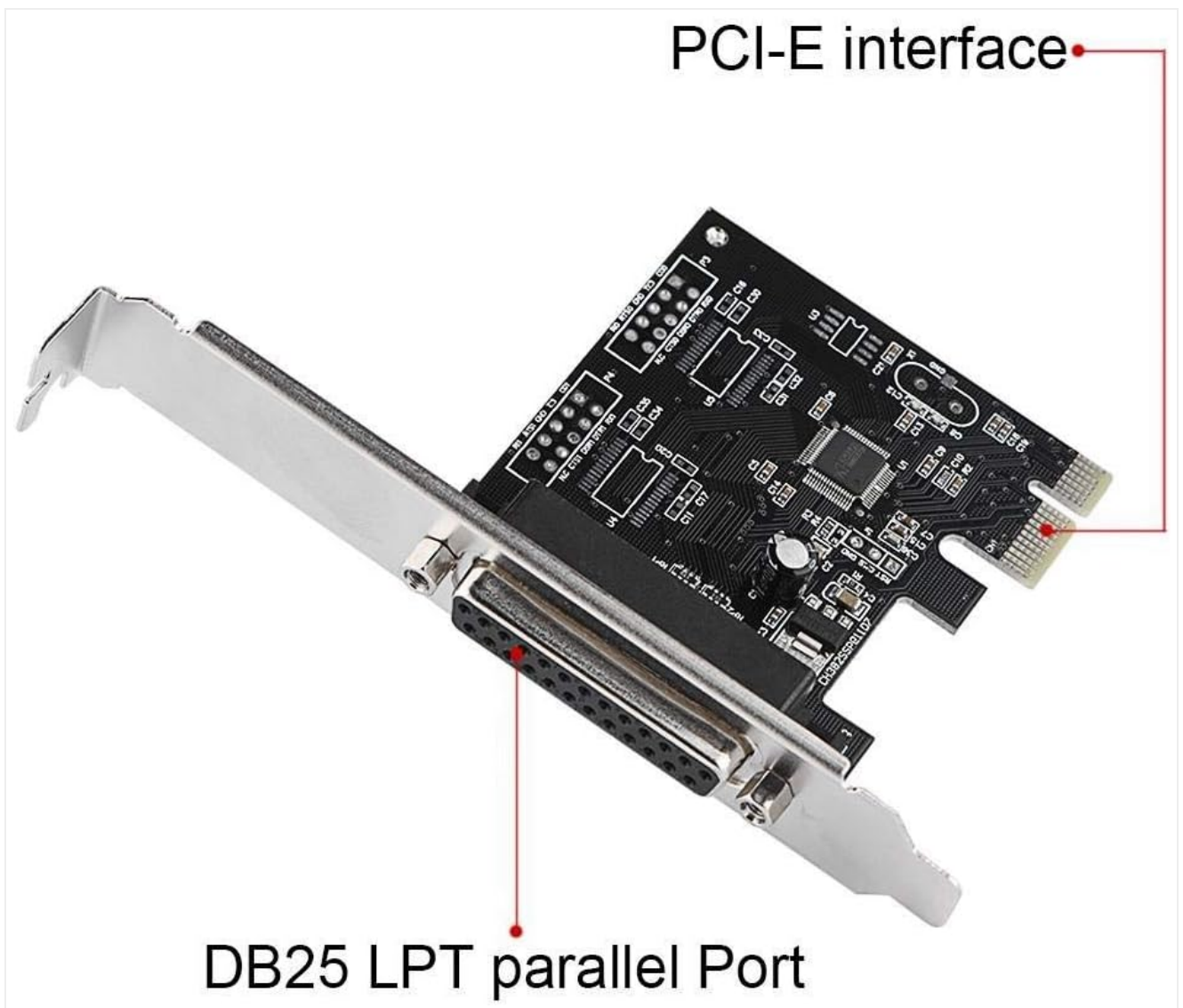
1. **Power Off:** Ensure your computer is completely powered off and disconnected from the power source.
2. **Open Case:** Open your computer case to access the motherboard's PCI Express slots.
3. **Select Slot:** Locate an available PCI Express x1, x4, x8, or x16 slot. The card is compatible with any of these slot types.

The card with PCI Express x1 slot can be installed in various PCI Express slots (including 4x, 8x, 16x).



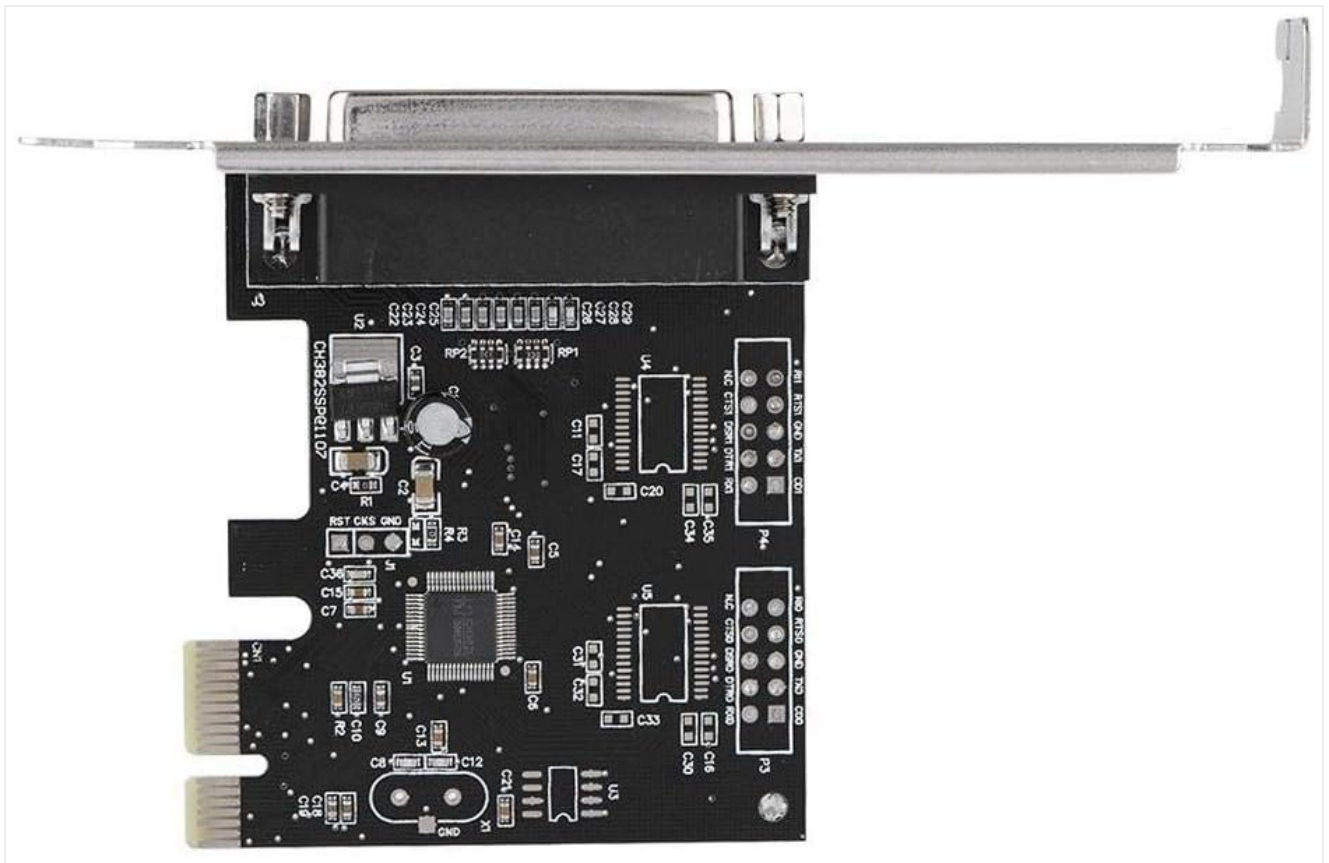
**Image 3.1:** The expansion card designed for PCI Express x1 slots, compatible with various PCIe slot sizes.

4. **Identify Components:** Familiarize yourself with the card's components before installation.



**Image 3.2:** Key components of the card, including the PCI-E interface and the DB25 LPT parallel port.

5. **Install Card:** Carefully align the card with the chosen PCI Express slot and press it firmly until it is securely seated.
6. **Secure Card:** Secure the card with a screw or retention clip, depending on your computer case design.
7. **Low-Profile Bracket (Optional):** If installing in a small form factor PC, replace the standard bracket with the included low-profile bracket. To do this, remove the two screws holding the standard bracket, detach it, and attach the low-profile bracket using the same screws.



**Image 3.3:** Top view of the card, illustrating the DB25 port and the PCI Express connector.

8. **Close Case:** Close your computer case and reconnect the power source.

### 3.2 Driver Installation

After hardware installation, you will need to install the necessary drivers for the operating system to recognize and utilize the parallel port.

- **Windows Operating Systems (DOS, 2000, XP, Vista, 7, 8, Server 2003-2008, 32/64-bit):**

- a. Insert the provided mini-CD into your computer's CD/DVD drive.
- b. Navigate to the appropriate driver folder for your operating system version.
- c. Run the setup executable or follow the instructions to manually install the driver via Device Manager.
- d. If a CD/DVD drive is unavailable, check the manufacturer's website for driver downloads.

- **Linux & OS/X 10.5 and other operating systems:**

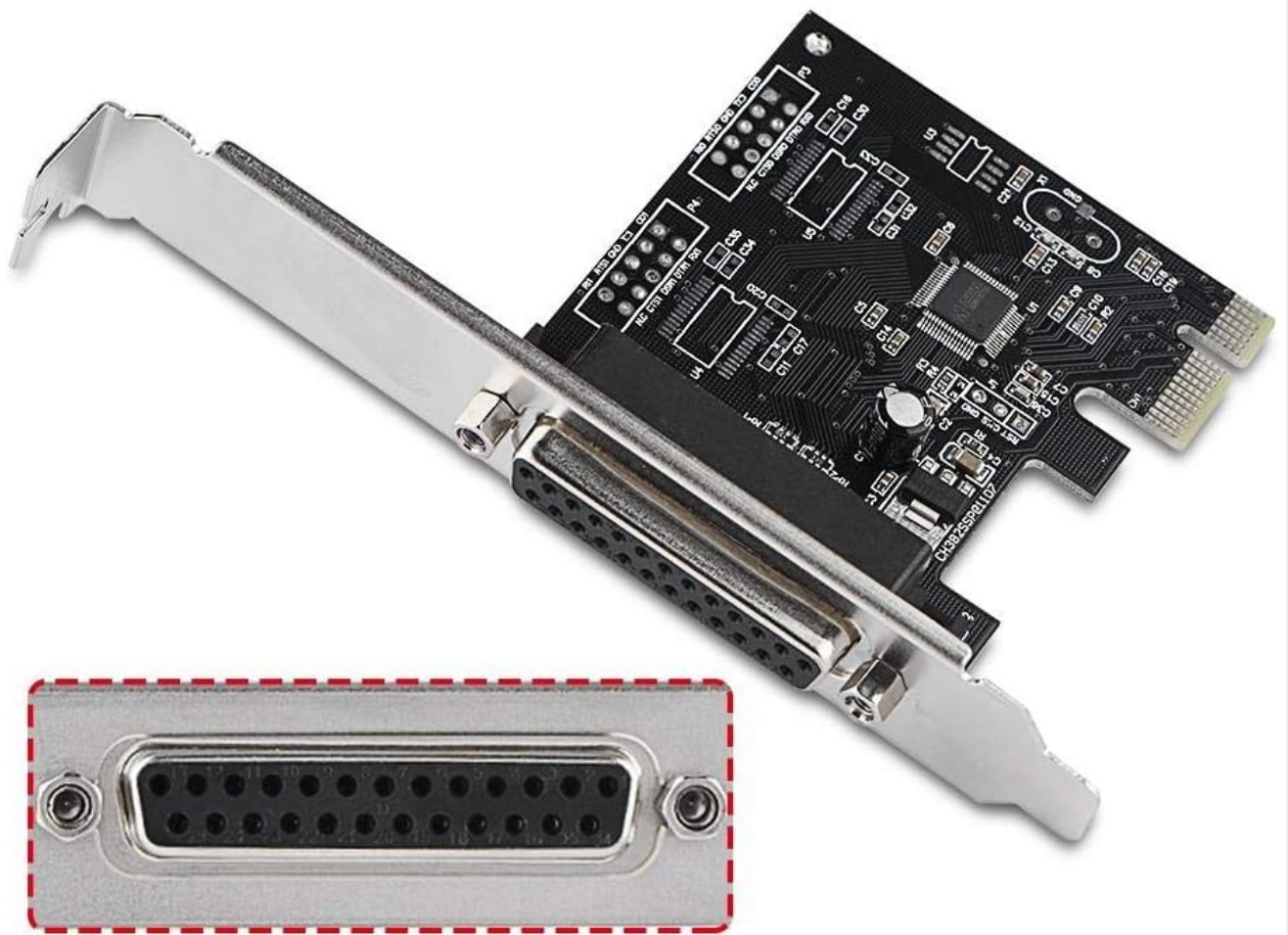
Many Linux distributions and OS/X 10.5 may automatically detect and install generic drivers. If not, refer to the instructions on the mini-CD or the manufacturer's website for specific Linux/OS/X driver installation procedures.

## 4. OPERATING INSTRUCTIONS

Once the card is installed and drivers are in place, the parallel port will be available for use by your operating system and applications.

1. **Connect Device:** Connect your parallel device (e.g., printer, programmer, scanner) to the DB25 LPT port on the expansion card.





Support DOS, Windows 8 / 7 / Vista / XP / 2000 /  
Server 2003-2008 32/64-bit, Linux & Mac OS/  
X 10.5 and other operating systems

**Image 4.1:** Detailed view of the DB25 LPT parallel port, highlighting its compatibility with various operating systems.

2. **Configure Software:** Configure your application or operating system settings to use the newly installed parallel port. The port will typically be assigned as LPT1, LPT2, or LPT3, depending on system configuration.
3. **Verify Functionality:** Test the connected device to ensure proper communication and operation.

## 5. MAINTENANCE

The Diyeeni PCIe to DB25 LPT Parallel Port Expansion Card requires minimal maintenance.

- Keep the computer's interior clean and free of dust to prevent overheating and ensure optimal performance of all components, including the expansion card.
- Ensure the card is securely seated in its PCI Express slot.
- Avoid physical damage to the card or its connectors.

## 6. TROUBLESHOOTING

- **Card Not Detected:**

- Ensure the card is fully seated in the PCI Express slot.
- Verify that the PCI Express slot is functional. Try another slot if available.
- Check your computer's BIOS/UEFI settings to ensure PCI Express slots are enabled.

- **Driver Installation Issues:**

- If using the mini-CD, ensure your CD/DVD drive can read the disc without errors.
- For Windows 10/11, if the provided drivers do not work, try searching for updated drivers on the chip manufacturer's website (e.g., WCH CH382L or similar, if identifiable).
- In Device Manager, check for any devices with a yellow exclamation mark and attempt to update drivers manually.

- **Device Not Communicating:**

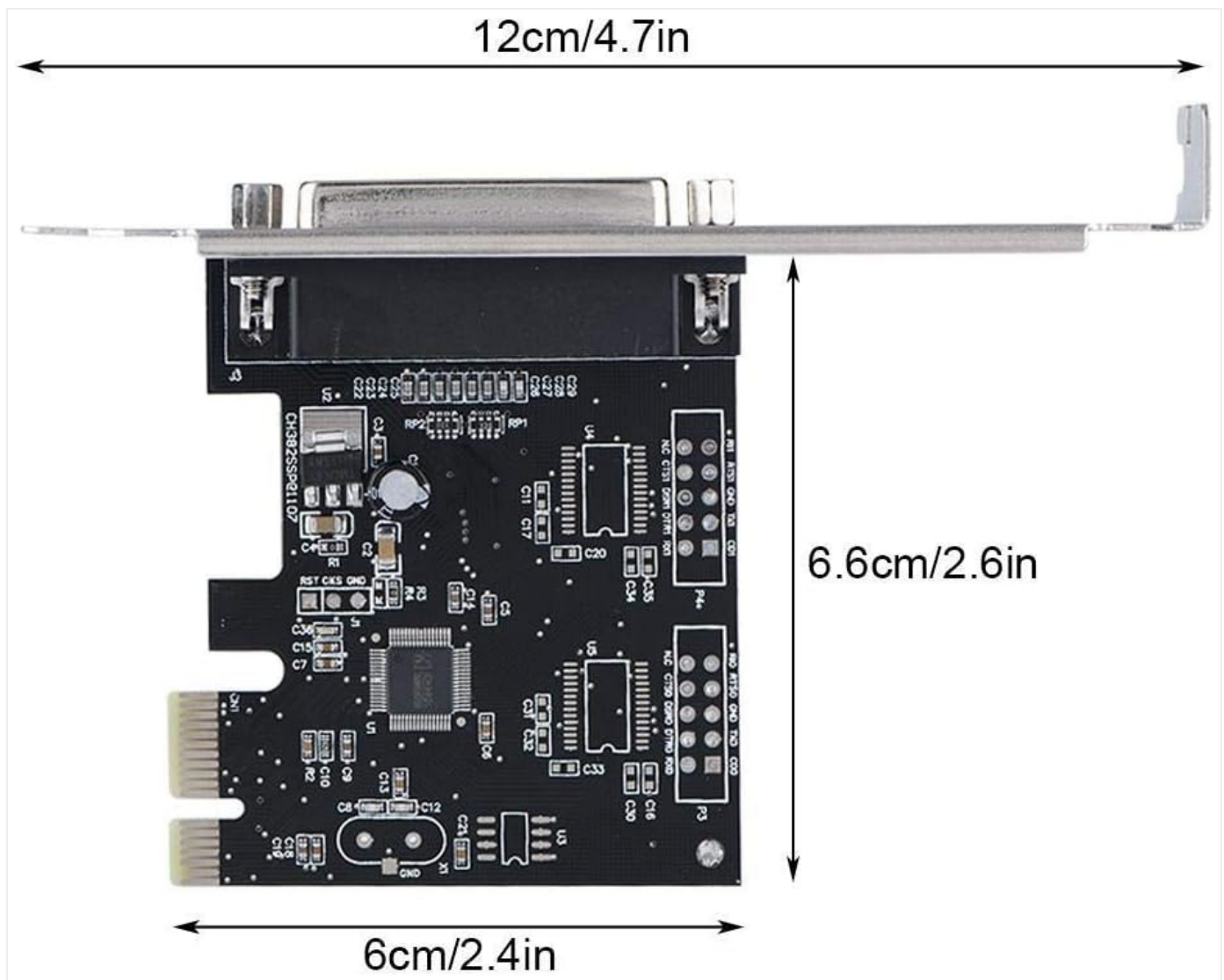
- Verify that the parallel device is correctly connected to the DB25 port.
- Ensure the parallel device is powered on and functioning correctly.
- Check the software configuration to ensure it is pointing to the correct LPT port assigned by the operating system.
- Some older parallel devices or security dongles may have specific timing requirements or driver dependencies that might not be fully compatible with all PCI Express parallel port adapters.

- **LinuxCNC Compatibility:**

Some users have reported that newer revisions of this card may register as a serial port rather than a parallel port in Linux, which can affect compatibility with applications like LinuxCNC that specifically require a true parallel port for non-Mesa setups. Verify the card's detection in your Linux environment using commands like **lspci -v**.

## 7. SPECIFICATIONS

Feature	Detail
Brand	Diyeeni
Model Number	PCIE to DB25
Hardware Interface	PCI Express x1 (compatible with x4, x8, x16 slots)
PCIe Specification	Revision 1.1 Compliant
Parallel Port Type	DB25 LPT
Parallel Protocol Support	Built-in SPP, EPP, ECP compatible IEEE 1284
I/O Controller	High-speed I/O controller (16C550C or compatible UART)
FIFO Buffer	Built-in 16 Byte FIFO
Bus Design	32-bit bus design, supporting PCI 2.1 specification
Supported Operating Systems	DOS, Windows 95/98/98SE/2000/ME/NT4.0/XP/Vista/7/8 (32/64-bit), Server 2003-2008 (32/64-bit), Linux, OS/X 10.5
Dimensions (LxWxH)	4.72 x 3.35 x 0.79 inches (12 x 8.5 x 2 cm)
Item Weight	2.82 ounces (0.08 Kilograms)



**Image 7.1:** Physical dimensions of the expansion card, showing length, width, and height measurements.

## 8. WARRANTY AND SUPPORT

For information regarding product warranty, please refer to the documentation provided with your purchase or contact the seller directly. Technical support may be available through the product manufacturer, Diyeeni.

