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› [ELUTENG 4 Ports USB 3.1 PCIE Expansion Card User Manual](#)

ELUTENG B08KG5RSTQ

ELUTENG 4 Ports USB 3.1 PCIE Expansion Card User Manual

Model: B08KG5RSTQ

INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of your ELUTENG 4 Ports USB 3.1 PCIE Expansion Card. This card is designed to update your desktop computer with two USB-A and two USB Type-C ports, enhancing connectivity and data transfer capabilities. Please read this manual carefully before installation and use.

Compatible Motherboard Slots



PCIe X1



PCIe X8



PCIe X4



PCIe X16



Image Description: A clear view of the ELUTENG 4 Ports USB 3.1 PCIE Expansion Card, showcasing its two USB-A ports, two USB Type-C ports, and the PCIe connector.

PRODUCT FEATURES

- **4 Ports USB Expansion:** Adds two USB-A and two USB Type-C ports to your desktop PC, addressing the need for more USB connectivity.
- **USB 3.1 10Gbps Transmission:** Supports theoretical data transfer speeds of up to 10 Gigabits per second (Gbps), enabling rapid file transfers.
- **Safe & Stable Operation:** Utilizes a high-performance NEC720201 main control chip and features independent capacitors for each interface, ensuring stable power delivery and temperature control without requiring an external power adapter.
- **Efficient Heat Dissipation:** Constructed from alloy material with high thermal conductivity and equipped with aluminum alloy cooling fins to effectively dissipate heat, prolonging the card's lifespan.
- **Wide Compatibility:** Compatible with PCIe X1, X4, X8, and X16 slots. Supports Windows 11, 10, 8, 7, XP, and Vista operating systems.



Image Description: A close-up view of the ELUTENG PCIe expansion card highlighting its large red heatsink, designed to dissipate heat and prolong the chip's lifespan.

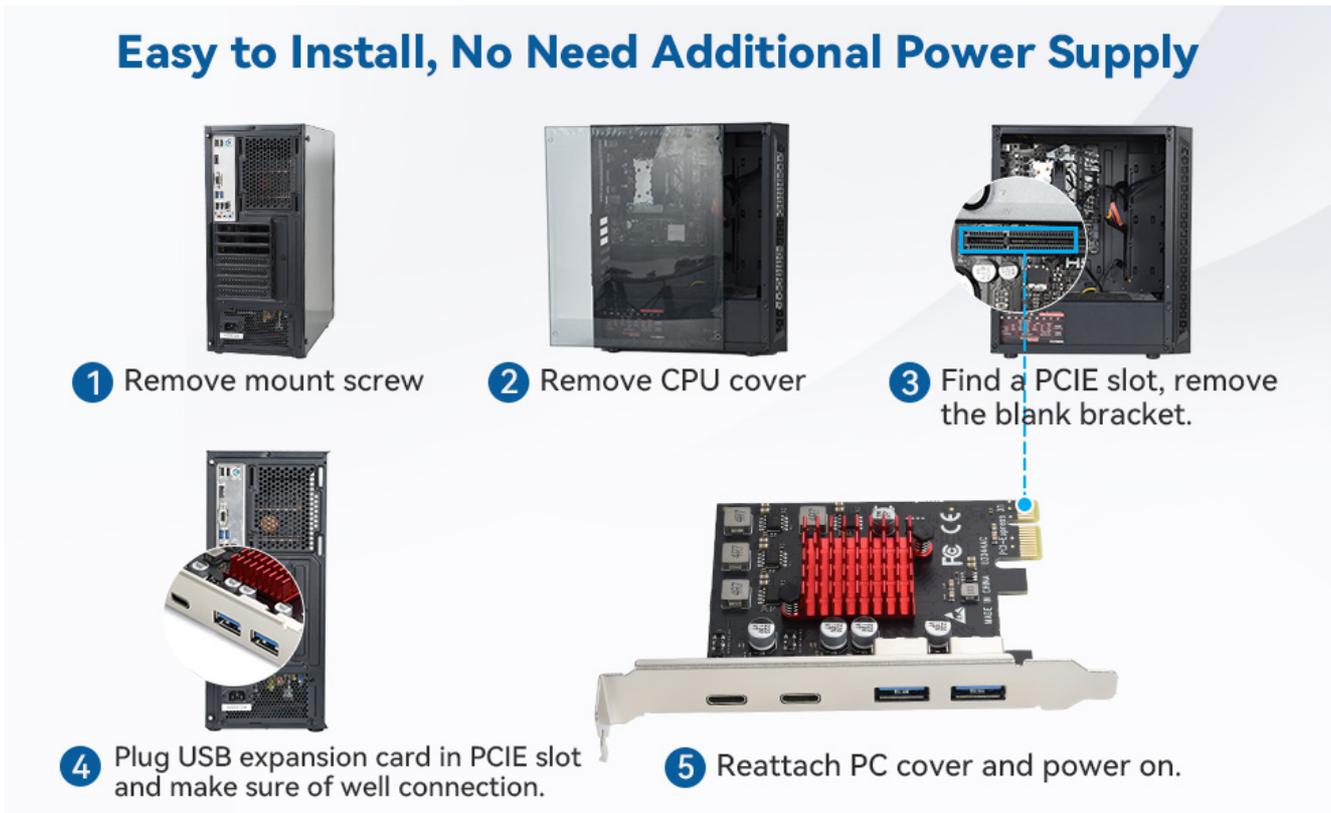


Image Description: A stylized diagram depicting the 'Intelligent Chip Protection' feature of the ELUTENG card, indicating its role in protecting the motherboard and external USB devices from damage.

PACKAGE CONTENTS

The package typically includes the following items:

- 1 x ELUTENG 4 Ports USB 3.1 PCIE Expansion Card

- 1 x Driver CD (primarily for Windows 7/XP/Vista)
- Mounting Screws (quantity may vary)
- Small Screwdriver (may vary)

INSTALLATION GUIDE

Before beginning the installation process, ensure your computer is completely powered off and unplugged from the wall outlet. It is recommended to wear an anti-static wrist strap to prevent electrostatic discharge, which can damage electronic components.

1. Prepare Your PC:

Remove the side panel of your computer case to gain access to the motherboard. Locate an available PCIe slot. This card is compatible with PCIe X1, X4, X8, or X16 slots.

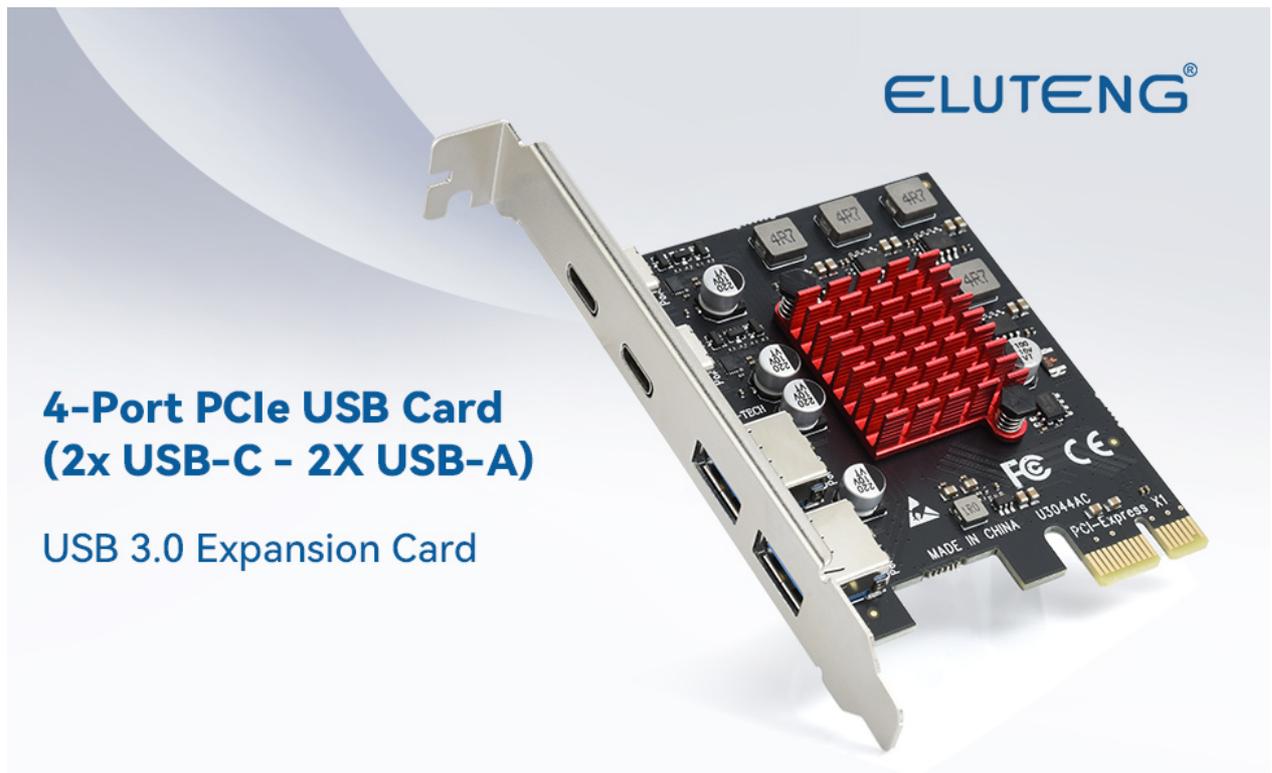


Image Description: A computer motherboard with a CPU cooler installed. Diagrams illustrate compatible PCIe slots: PCIe X1, PCIe X4, PCIe X8, and PCIe X16, all marked with a green checkmark indicating compatibility.

Remove the metal bracket cover corresponding to the chosen PCIe slot on the rear of your PC case. This typically involves unscrewing a single screw.

2. Insert the Expansion Card:

Carefully align the gold contacts of the USB expansion card with the chosen PCIe slot. Gently push the card down into the slot until it is firmly seated. Ensure it is fully inserted to establish a proper electrical connection.



Image Description: A close-up view of the ELUTENG PCIe expansion card being inserted into a PCIe X1 slot on a motherboard. Arrows indicate the direction of insertion.

3. Secure the Card:

Secure the expansion card to the PC case using the screw removed earlier or a new mounting screw provided in the package. Ensure the card is stable and does not wobble.

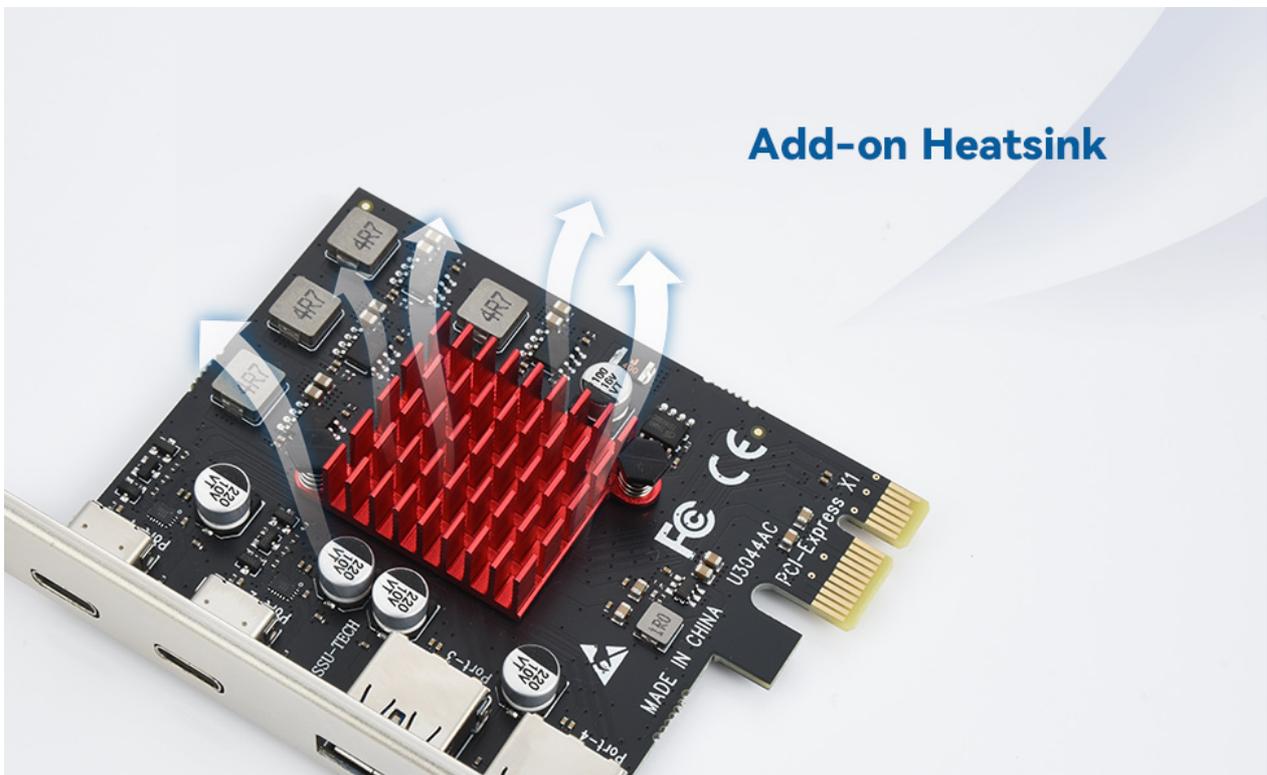


Image Description: A step-by-step diagram illustrating the installation process: 1. Remove mount screw, 2. Remove CPU cover, 3. Find a PCIe slot and remove the blank bracket, 4. Plug the USB expansion card into the PCIe slot and ensure a well connection, 5. Reattach PC cover and power on.

4. Close the PC Case:

Reattach the side panel of your computer case.

5. Power On:

Plug your computer back into the wall outlet and power it on.

DRIVER INSTALLATION AND OPERATING INSTRUCTIONS

The ELUTENG 4 Ports USB 3.1 PCIE Expansion Card is designed for straightforward operation.

Operating System Compatibility



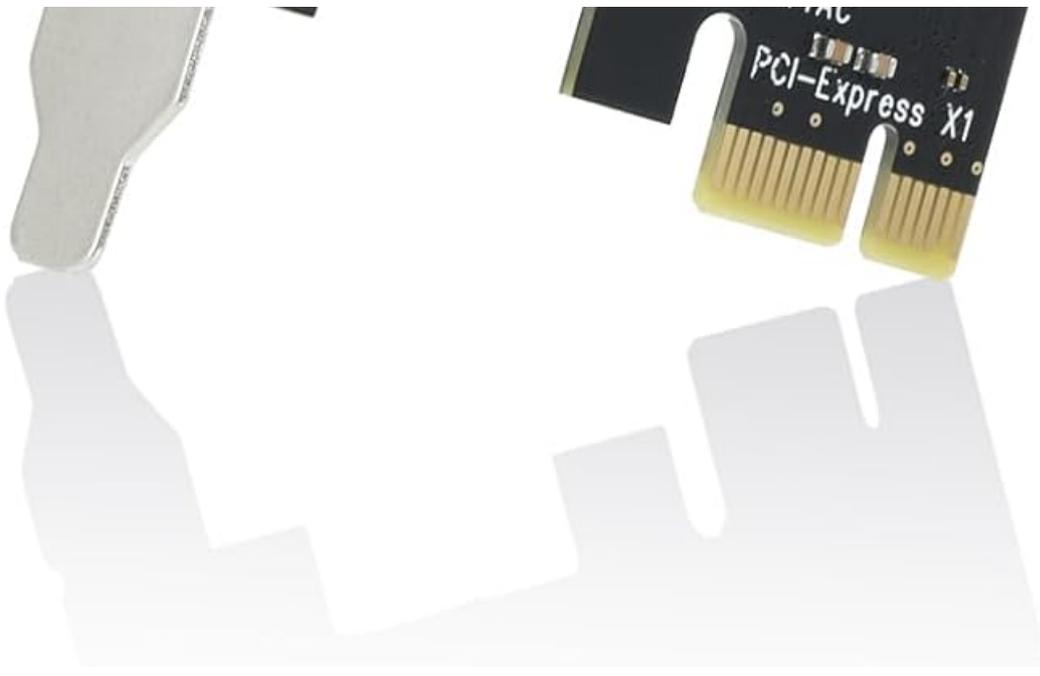


Image Description: The ELUTENG PCIe card shown alongside logos for compatible operating systems: Windows XP, 7, 8, 10, 11, Mac OS 10.8.2 and above, Linux, and ChromeOS.

- **Windows 11/10/8:** The card is plug-and-play. No additional driver installation is typically required. Your operating system should automatically detect and install the necessary drivers.
- **Windows 7/XP/Vista:** These operating systems require manual driver installation. Use the included driver CD or download the appropriate drivers from the ELUTENG official website.
- **Mac OS 10.8.2 and above, Linux, ChromeOS:** The card is generally plug-and-play for these operating systems, but specific driver requirements may vary depending on your system configuration.

Connecting Devices

Once the card is installed and recognized by your operating system (with drivers installed if necessary), you can connect your USB devices to the newly added USB-A and USB Type-C ports.

Applicable to a variety of equipment

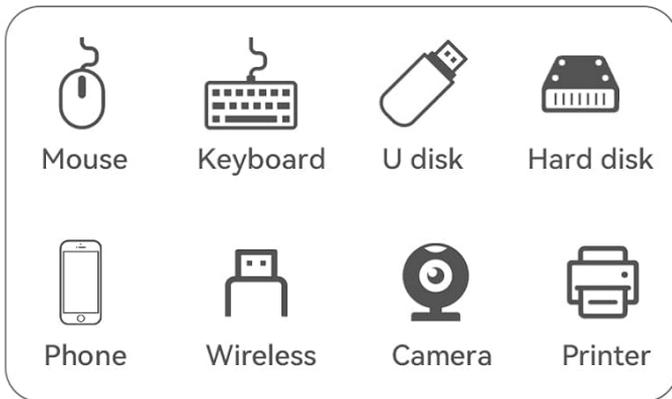


Image Description: A diagram illustrating the versatility of the USB expansion card, showing icons of various compatible devices such as a mouse, keyboard, USB flash drive, external hard drive, smartphone, wireless adapter, camera, and printer, all connecting to the card's ports on the back of a PC case.

The card supports a wide range of USB devices, including but not limited to keyboards, mice, external hard drives, printers, scanners, game controllers, and digital cameras.

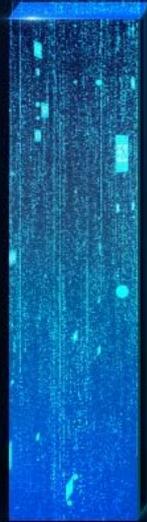
Data Transfer Speed

The card supports USB 3.1 Gen2, offering theoretical data transfer speeds of up to 10Gbps. Actual transfer speeds may vary based on the capabilities of the connected USB devices, the quality of the USB cables, and your computer's system configuration.

Super Speed -3.1Mas 10Gpbs

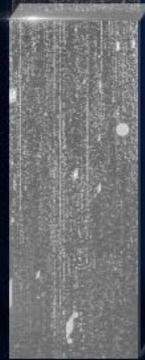
Compatible with WIN 7/8/8.1/10

10Gbps



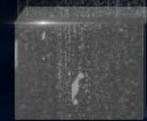
■ USB 3.1

5Gbps



■ USB 3.0

480Mbps



■ USB 2.0

Plug and play under Win8/10 system, driver needs to be installed under XP, Win7 system

Image Description: A bar chart visually comparing the data transfer speeds of different USB standards: USB 3.1 at 10Gbps, USB 3.0 at 5Gbps, and USB 2.0 at 480Mbps, highlighting the superior speed of USB 3.1.

SPECIFICATIONS

Feature	Detail
Brand	ELUTENG
Model Number	B08KG5RSTQ
Operating System Compatibility	Windows 11/10/8/7/XP/Vista, Mac OS 10.8.2+, Linux, ChromeOS
Hardware Interface	PCIe x 4 (Compatible with X1, X4, X8, X16 slots)
USB Ports	2 x USB-A, 2 x USB Type-C
Data Transfer Rate	Up to 10Gbps (USB 3.1 Gen2)

Feature	Detail
Power Supply	Self-powered (no external power adapter required)
Heat Dissipation	Aluminum alloy cooling fins
Main Control Chip	NEC720201
Item Weight	3.2 ounces
Package Dimensions	5.75 x 5.25 x 1.1 inches

TROUBLESHOOTING

- **Card Not Detected:**
 - Ensure the card is fully and securely seated in the PCIe slot.
 - Verify that the PCIe slot is functional. Try installing the card in a different available slot if possible.
 - Check your computer's BIOS/UEFI settings to ensure PCIe slots are enabled and configured correctly.
- **Devices Not Working (Windows 7/XP/Vista):**
 - Install the necessary drivers from the included CD or download the appropriate drivers from the official ELUTENG website.
 - In Device Manager, check for any unknown devices or devices with error symbols. Manually update the driver, pointing to the downloaded driver files.
- **Slow Transfer Speeds:**
 - Ensure the connected USB device supports USB 3.0/3.1 speeds. Older USB 2.0 devices will operate at their maximum speed (480Mbps).
 - The actual transfer speed can be limited by the performance of the connected device itself or the quality of the USB cable used.
- **Physical Fit Issues (Card Misalignment):**
 - If the card's ports are misaligned with the PC case's I/O opening, try inserting a USB cable into one of the ports before fully tightening the mounting screw. This can help guide the card into the correct position.

MAINTENANCE

- Keep the interior of your PC case clean and free of dust to ensure proper airflow and efficient heat dissipation for all components, including the expansion card.
- Avoid exposing the expansion card to extreme temperatures, high humidity, or direct sunlight.
- When handling the card, always hold it by its edges to prevent damage to the electronic components or electrostatic discharge.

WARRANTY AND SUPPORT

For detailed warranty information, technical support, or further assistance, please refer to the documentation included with your product or visit the official ELUTENG website. Contact information for customer support can typically be found on the product packaging or the manufacturer's website.

