

GOWENIC GOWENw3zu8k4yn0

GOWENIC PCIe USB 3.1 Gen 2 Expansion Card User Manual

Model: GOWENw3zu8k4yn0

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your GOWENIC PCIe USB 3.1 Gen 2 Expansion Card. Please read this manual thoroughly before installation and use to ensure proper functionality and to prevent damage.

2. PRODUCT FEATURES

- **High Bandwidth Performance:** Offers a total bandwidth of up to 20Gbps, featuring three USB Type-A ports and two USB Type-C ports for efficient and high-speed data transfer.
- **Stable Connection:** Designed to ensure stability and improve data transfer speeds, providing a reliable internal connection via the PCI Express slot, which helps resolve common connection issues found with external hubs.
- **Multi-Device Connectivity:** Provides five external USB 3.2 Gen 2 ports for connecting various devices such as keyboards, mice, and external hard drives, enabling seamless data transfer.
- **Wide Compatibility:** Compatible with Windows 7, 8, 10, 11, and OS X 10.8.2 and later. Ideal for various desktop systems.

3. SPECIFICATIONS

Product Type	PCIe - USB 3.1 Gen 2 Expansion Card
Model	GOWENw3zu8k4yn0
Material	PCB

Color	Black
Bus Type	PCIe
Interface	2 x USB Type-C, 3 x USB Type-A, 1 x 19-pin header
Data Transfer Rate	Up to 20Gbps (total bandwidth)
Operating System Compatibility	Windows 7, 8, 10, 11; OS X 10.8.2 and later
Warranty	1 Year
Origin	China

Note: The USB expansion card only supports data transfer. It does not support PD fast charging or video signal transfer (DisplayPort, HD Multimedia Interface, VGA display conversion) and USB C protocol for video output.

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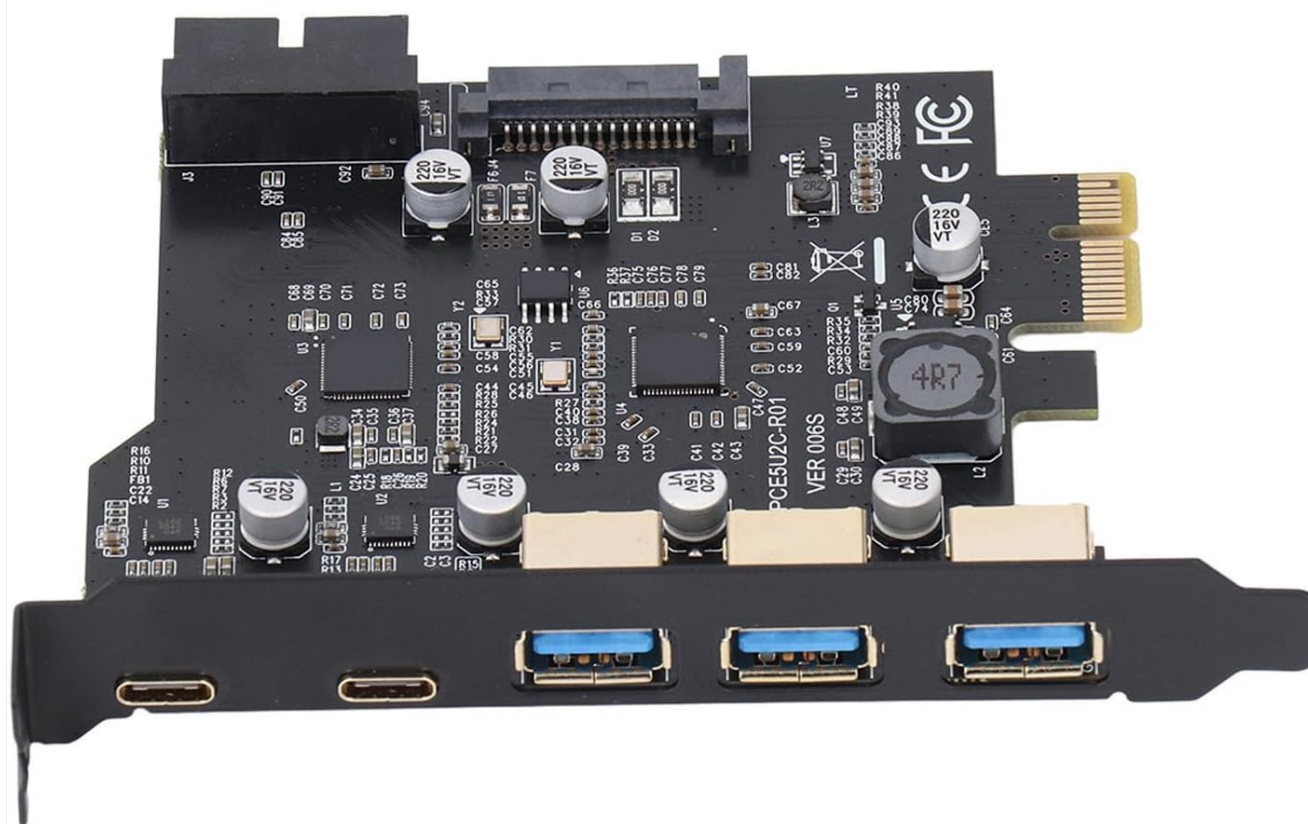


Image: Close-up view of the GOWENIC PCIe USB 3.1 Gen 2 Expansion Card, highlighting the USB Type-A and Type-C ports, along with the PCIe connector. A note on the image indicates that the card supports data transfer only, not PD fast charging or video output.

4. SETUP AND INSTALLATION

Follow these steps to install the GOWENIC PCIe USB 3.1 Gen 2 Expansion Card into your desktop computer:

1. **Power Off and Disconnect:** Completely shut down 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 PCIe Slot:** Identify an available PCI Express (PCIe) slot on your motherboard. Ensure it is compatible with the card's form factor (e.g., PCIe x4, x8, or x16 slot).
4. **Remove Slot Cover:** Carefully remove the metal slot cover from the back of your computer case corresponding to the chosen PCIe slot.
5. **Insert Expansion Card:** Align the GOWENIC PCIe USB 3.1 Gen 2 Expansion Card with the PCIe slot. Gently but firmly push the card straight down into the slot until it is securely seated.
6. **Secure the Card:** Use a screw to fasten the card's bracket to the computer case, ensuring it is stable.
7. **Close Computer Case:** Replace the side panel of your computer case and reconnect all power cables and peripherals.
8. **Power On and Install Drivers:** Power on your computer. For Windows 7/8/10/11, the operating system may automatically install the necessary drivers. If not, or for OS X 10.8.2 and later, you may need to download and install drivers from the manufacturer's website or use the provided driver disk (if included).

Stable and Easy To Use

Motherboard provides internal USB card via PCI Express slot

Ensures a stable connection and increases data transfer speeds

No loss of connection issues like with external USB hubs

For connecting and using USB 3.2 devices on standard desktops



Image: The GOWENIC PCIe USB 3.1 Gen 2 Expansion Card shown installed in a desktop computer, connected to a monitor and peripherals, illustrating its stable and easy integration.

5. OPERATING INSTRUCTIONS

Once the GOWENIC PCIe USB 3.1 Gen 2 Expansion Card is installed and drivers are set up, you can begin using its USB ports:

- **Connecting Devices:** Plug your USB 3.2 compatible devices (e.g., external hard drives, USB flash drives, keyboards, mice) into the available USB Type-A or USB Type-C ports on the expansion card.
- **Data Transfer:** The card supports high-speed data transfer up to 20Gbps. Ensure your connected devices and cables also support USB 3.2 Gen 2 for optimal performance.
- **Multiple Devices:** You can connect multiple USB devices simultaneously. The card is designed to handle high bandwidth for efficient multi-device operation.

High Speed Transfer

One USB Type C port and three USB Type A ports share 10Gbps bandwidth



Image: The GOWENIC PCIe USB 3.1 Gen 2 Expansion Card displayed in a desktop environment, demonstrating its capability for high-speed data transfer with connected peripherals.

6. COMPATIBILITY

The GOWENIC PCIe USB 3.1 Gen 2 Expansion Card is compatible with the following operating systems:

- Windows 7
- Windows 8
- Windows 10
- Windows 11
- OS X 10.8.2 and later

Driver Requirement: While many modern operating systems may automatically detect and install drivers, some specific systems or older versions might require manual driver installation. Refer to the manufacturer's support website for the latest drivers if needed.

7. TROUBLESHOOTING

If you encounter issues with your GOWENIC PCIe USB 3.1 Gen 2 Expansion Card, refer to the following common troubleshooting steps:

- **Card Not Detected:**

- Ensure the card is fully seated in the PCIe slot.
- Verify that the PCIe slot is functional by testing with another known working card if possible.
- Check your computer's BIOS/UEFI settings to ensure the PCIe slot is enabled.

- **Devices Not Recognized:**

- Ensure drivers are correctly installed. Check Device Manager (Windows) or System Information (OS X) for any unknown devices or driver errors.
- Try connecting the device to a different USB port on the expansion card.
- Test the device with another USB port on your motherboard to confirm the device itself is working.
- Restart your computer after driver installation or troubleshooting.

- **Slow Data Transfer Speeds:**

- Ensure both the connected device and the USB cable support USB 3.2 Gen 2 speeds. Older USB 2.0 or 3.0 devices/cables will operate at their respective lower speeds.
- Avoid connecting too many high-bandwidth devices simultaneously if you experience slowdowns.
- Ensure your system's power supply is adequate for all installed components.

- **No Power Delivery (PD) or Video Output:**

- This card is designed for data transfer only. It does not support PD fast charging or video signal transfer (DisplayPort, HD Multimedia Interface, VGA display conversion) via its USB Type-C ports. This is normal operation.

8. MAINTENANCE

The GOWENIC PCIe USB 3.1 Gen 2 Expansion Card requires minimal maintenance. Follow these guidelines to ensure its longevity:

- **Keep Clean:** Periodically clean the inside of your computer case to prevent dust buildup on the card, which can affect performance and lifespan. Use compressed air for this purpose.
- **Avoid Physical Damage:** Handle the card carefully during installation and avoid bending or stressing the PCB or connectors.
- **Driver Updates:** Keep your operating system and device drivers updated to ensure optimal performance and compatibility.

9. WARRANTY AND SUPPORT

The GOWENIC PCIe USB 3.1 Gen 2 Expansion Card comes with a **1-year warranty** from the date of purchase. For technical support, driver downloads, or warranty claims, please contact GOWENIC customer service through their official website or the retailer where you purchased the product. Please have your model number (GOWENw3zu8k4yn0) and proof of purchase ready when contacting support.

