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GOWENIC GOWENIC6c5d9ufq73

GOWENIC PCIe to USB 3.2 Gen 2 Card Instruction Manual

Model: GOWENIC6c5d9ufq73

Brand: GOWENIC

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your GOWENIC PCIe to USB 3.2 Gen 2 Card. This expansion card is designed to add high-speed USB 3.2 Gen 2 ports to your desktop computer, enhancing connectivity and data transfer capabilities. Please read this manual thoroughly before installation and use.



Figure 1: GOWENIC PCIe to USB 3.2 Gen 2 Card overview.

PRODUCT FEATURES

- **Multiple Ports:** Provides 5 external USB 3.2 Gen 2 ports (3 USB Type-A and 2 USB Type-C) for connecting various peripherals such as keyboards, mice, external hard drives, webcams, printers, scanners, and game controllers.
- **High-Speed Transfer:** Offers a total bandwidth of up to 20Gbps. One USB Type-C port and three USB Type-A ports share 10Gbps bandwidth, while the remaining two Type-C ports share an additional 10Gbps bandwidth. Each individual port supports data transfer rates up to 10Gbps.
- **Wide Compatibility:** Compatible with Windows 7, 8, 10, 11 (32/64 bit), macOS 10.8.2 and higher, and Linux. Drivers are required for Windows 7 and Windows Server; no drivers are needed for Windows 10, 11, macOS, and Linux.
- **Stable and Easy to Use:** Utilizes a PCI Express slot for a stable connection, preventing connection loss issues common with external USB hubs. Designed for quick and straightforward installation.

SPECIFICATIONS

Brand	GOWENIC
Model Number	GOWENIC6c5d9ufq73
Hardware Interface	PCIe, USB
USB Ports	3x USB Type-A, 2x USB Type-C (USB 3.2 Gen 2)
Data Transfer Rate	Up to 20Gbps total bandwidth; up to 10Gbps per individual port
Compatible Operating Systems	Windows 7, 8, 10, 11 (32/64 bit), macOS 10.8.2+, Linux
Compatible Devices	Desktop Computers
Item Weight	2.82 ounces (0.08 Kilograms)
Package Dimensions	5 x 4.06 x 1.06 inches

INSTALLATION GUIDE

Follow these steps to properly install the GOWENIC PCIe to USB 3.2 Gen 2 Card into your desktop computer:

- 1. Prepare Your PC:** Turn off your computer completely and unplug it from the power outlet.
- 2. Open PC Case:** Carefully remove the side panel of your PC case to access the internal components.
- 3. Locate PCIe Slot:** Identify an available PCI Express slot on your motherboard.
- 4. Insert Card:** Gently insert the GOWENIC PCIe card into the chosen PCIe slot, ensuring it is seated firmly.
- 5. Secure Card:** Tighten the screws to secure the card in place within the PC case.
- 6. Close PC Case:** Replace the PC case cover.
- 7. Power On and Install Driver:** Plug your PC back in and turn it on. For Windows 7 or Windows Server, you will need to install the appropriate drivers. For Windows 10, 11, macOS, and Linux, drivers are typically not required as they are automatically detected.
- 8. Note for Narrow Slots:** If the slot area at the rear of your PC mainframe is narrow, you may need to carefully cut the crossbar between the two slots using small sheet metal hand pliers to ensure proper fitment.



Figure 2: Visual guide for installing the PCIe to USB 3.2 Gen 2 Card.

Your browser does not support the video tag.

Video 1: Demonstration of the GOWENIC PCIe to USB 3.2 Gen 2 Card installation process.

OPERATING INSTRUCTIONS

Once the GOWENIC PCIe to USB 3.2 Gen 2 Card is installed and recognized by your operating system, you can begin connecting your USB devices.

- **Connecting Devices:** Plug your USB 3.2 Gen 2 compatible devices into the available Type-A or Type-C ports on the expansion card. The card supports a wide range of USB peripherals.
- **High-Speed Performance:** For optimal performance, ensure your connected devices and cables are USB 3.2 Gen 2 compatible. This will allow you to utilize the full 10Gbps transfer speed per port.
- **Driver Status:**
 - For Windows 10, 11, macOS, and Linux: The card should be automatically detected and configured by the operating system. No manual driver installation is typically required.
 - For Windows 7 and Windows Server: You will need to install the specific drivers provided by GOWENIC or available through your system's device manager. Refer to the manufacturer's website for the latest driver downloads if needed.

High Speed Transfer

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

The remaining three ports share an additional 10Gbps of bandwidth

Up to 20Gbps total bandwidth

Each port supports up to 10Gbps data transfer rate when used individually



Figure 3: High-speed data transfer with the GOWENIC USB 3.2 Gen 2 Card.

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



Figure 4: Stable and easy integration of the GOWENIC USB 3.2 Gen 2 Card.

COMPATIBILITY

The GOWENIC PCIe to USB 3.2 Gen 2 Card offers broad compatibility with various operating systems and desktop environments:

- **Operating Systems:**
 - Windows 7, 8, 10, 11 (32-bit and 64-bit versions)
 - macOS 10.8.2 and higher
 - Linux
 - Windows Server (driver required)
- **Desktop Systems:** Ideal for modern desktop PCs, including models like HP for Windows 11 desktops and Dell 8950.



Figure 5: Operating system compatibility for the GOWENIC USB 3.2 Gen 2 Card.

TROUBLESHOOTING

If you encounter issues with your GOWENIC PCIe to USB 3.2 Gen 2 Card, consider the following 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 motherboard's BIOS/UEFI settings to ensure the PCIe slot is enabled.
- **Devices Not Recognized:**
 - Confirm that the necessary drivers are installed, especially for Windows 7 or Windows Server.
 - Test the USB device on another port or computer to rule out device issues.
 - Ensure the USB cable is functioning correctly and is properly connected.
- **Slow Transfer Speeds:**
 - Verify that both the connected device and the USB cable support USB 3.2 Gen 2 (10Gbps). Older USB 2.0 or 3.0 devices will operate at their respective maximum speeds.
 - Ensure the card is receiving adequate power.

- **Physical Fit Issues:** If the card does not fit due to a narrow slot area, refer to the "Installation Guide" for instructions on modifying the PC case crossbar.

MAINTENANCE

The GOWENIC PCIe to USB 3.2 Gen 2 Card requires minimal maintenance. To ensure longevity and optimal performance:

- **Keep Clean:** Periodically clean the interior of your PC case to prevent dust buildup on the card, which can affect cooling and performance. Use compressed air for this purpose.
- **Firm Connections:** Ensure all connections (PCIe slot, USB cables) remain firm and secure.
- **Software Updates:** Keep your operating system and, if applicable, drivers updated to ensure compatibility and performance improvements.

WARRANTY AND SUPPORT

GOWENIC products are designed for reliability and performance. For warranty information, technical support, or further assistance, please refer to the official GOWENIC website or contact their customer service directly. Keep your purchase receipt for warranty claims.

PRODUCT OVERVIEW

Here are additional views of the GOWENIC PCIe to USB 3.2 Gen 2 Card, highlighting its design and components.

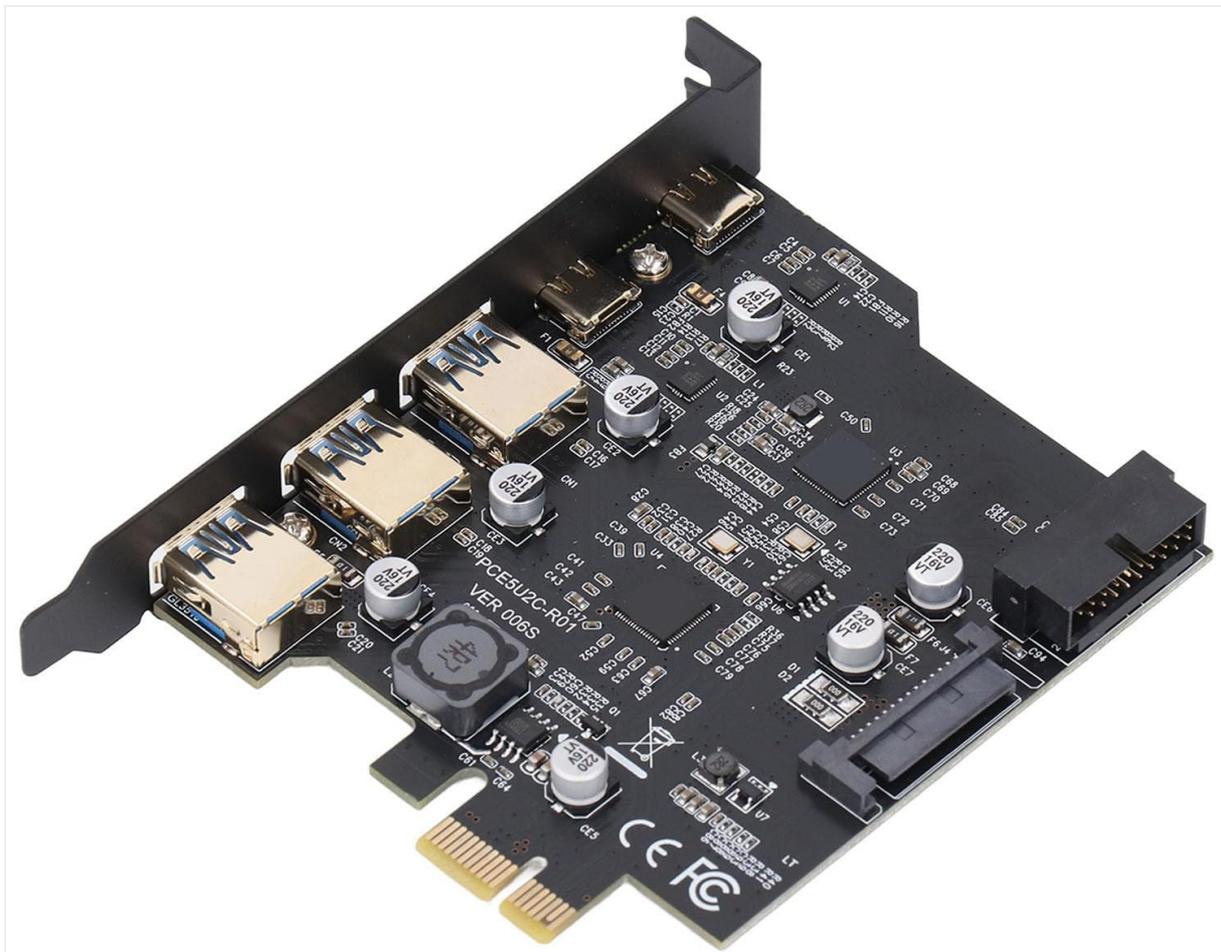


Figure 6: Angled view of the GOWENIC PCIe Card.

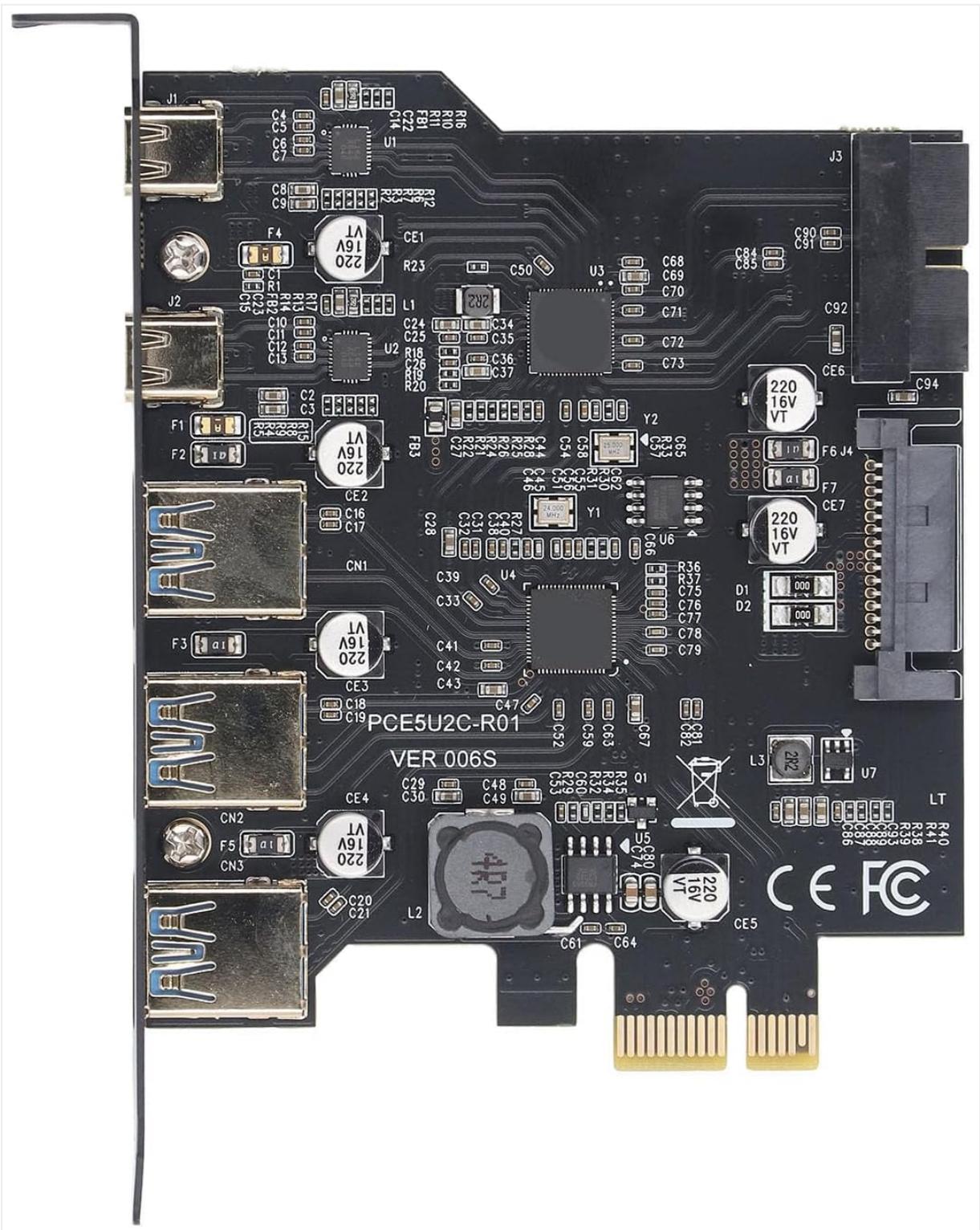


Figure 7: Top-down view of the GOWENIC PCIe Card.

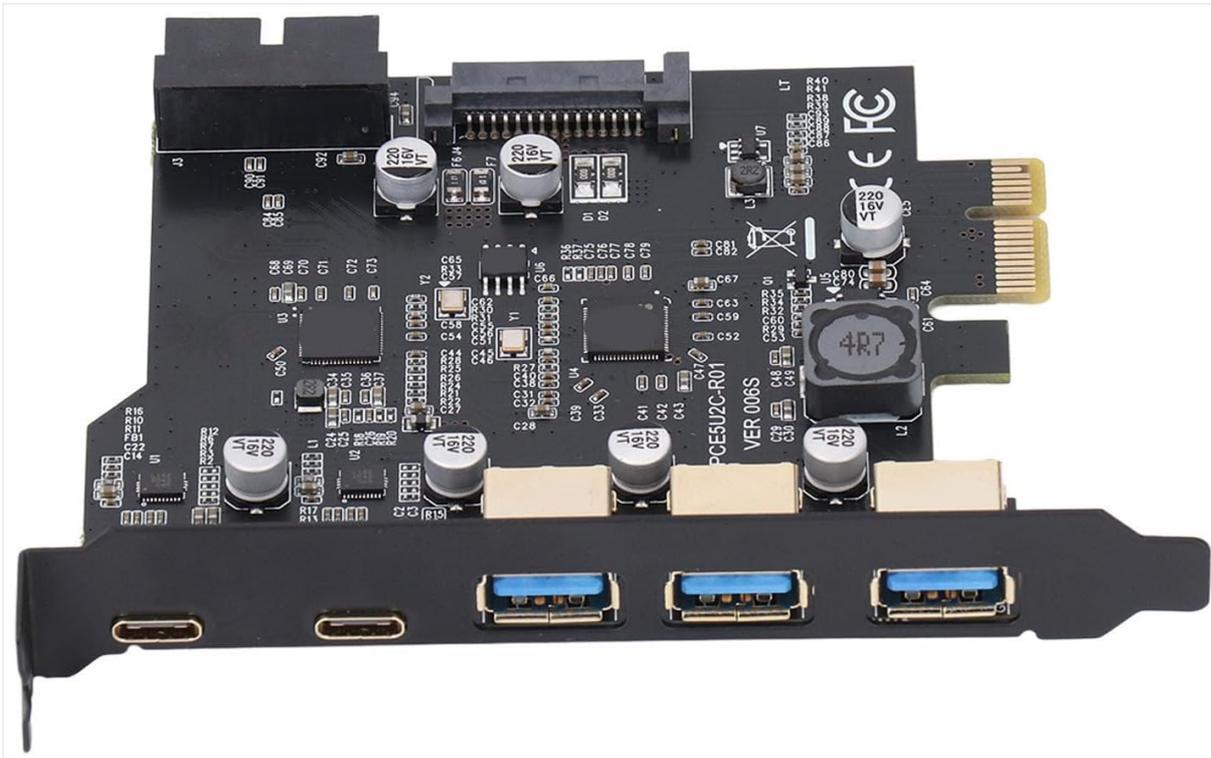


Figure 8: Front view of the GOWENIC PCIe Card with all 5 ports visible.