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GOWENIC GOWENICgsngmq7oib

GOWENIC PCIe to USB 3.2 Gen 2 Expansion Card User Manual

Model: GOWENICgsngmq7oib

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your GOWENIC PCIe to USB 3.2 Gen 2 Expansion Card. This internal PC hub offers high-speed data transfer with multiple USB ports, enhancing your computer's connectivity.

The expansion card features 3 USB Type-A ports and 2 USB Type-C ports, providing a total bandwidth of up to 20Gbps. It is designed for data transfer only and does not support PD fast charging, video signal transmission (DisplayPort, HD Multimedia Interface, VGA), or Thunderbolt protocol.

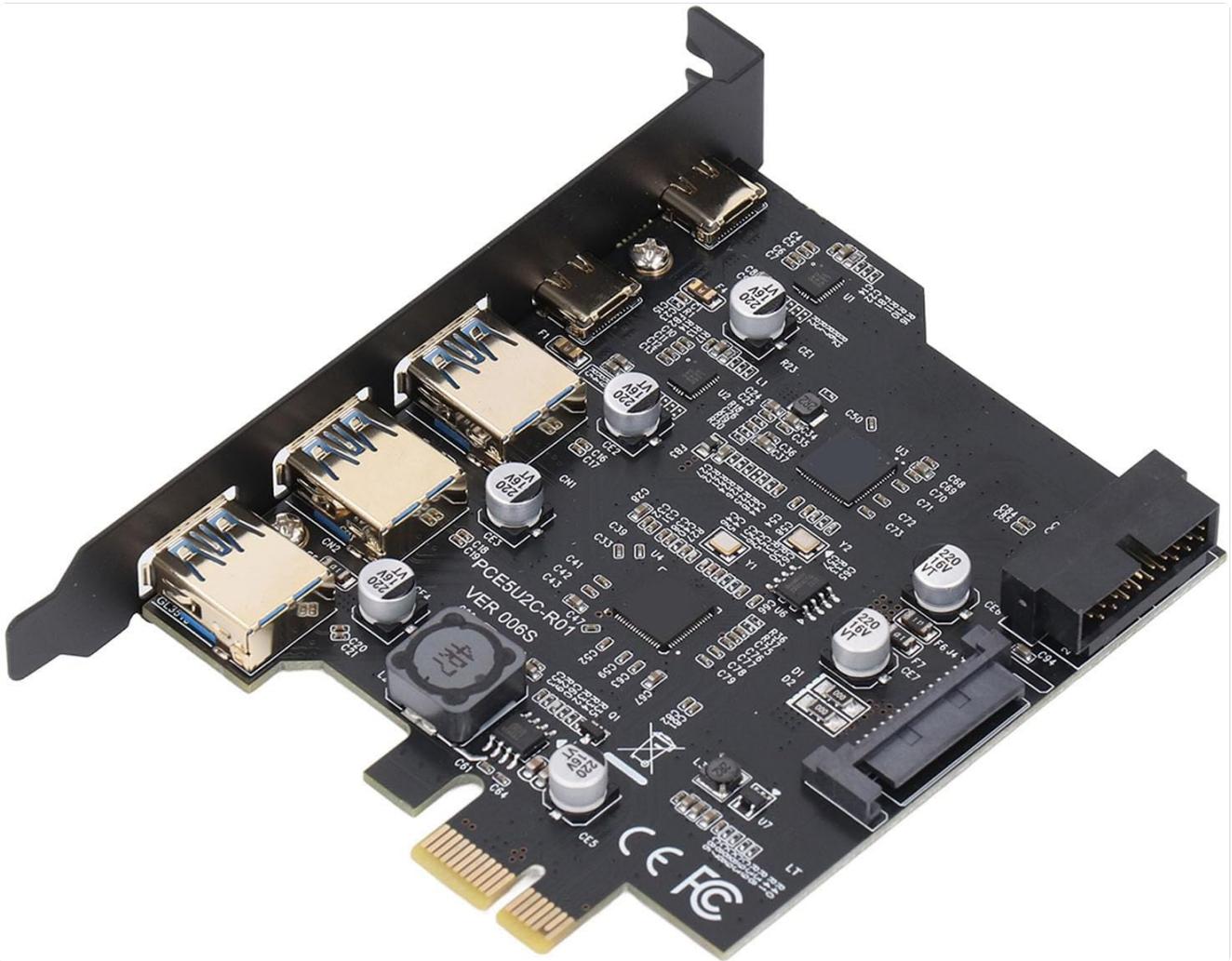


Image: GOWENIC PCIe to USB 3.2 Gen 2 Expansion Card.

PACKAGE CONTENTS

- 1 x GOWENIC PCIe to USB 3.2 Gen 2 Expansion Card

SPECIFICATIONS

Brand	GOWENIC
Model Number	GOWENICgsngmq7oib
Item Type	PCIe to USB 3.2 Expansion Card
Material	PCB
Color	Black
Bus Type	PCIE
Interface	2 x USB Type-C, 3 x USB Type-A, 19-pin header (internal)
Bandwidth	Up to 20 Gbit/s total (10 Gbit/s per shared group of ports)
System Compatibility	Windows 7, 8, 10, 11 (32/64-bit), macOS 10.8.2 and above, Linux
Compatible Devices	USB devices, personal computers, laptops

Item Weight	90 Grams
Special Note	Supports data transfer only. Does not support PD fast charging, video signal transmission (DisplayPort, HD Multimedia Interface, VGA), or Thunderbolt protocol.

INSTALLATION

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

1. **Prepare your computer:** Turn off your computer completely and unplug it from the power outlet.
2. **Open the computer case:** Remove the side panel of your PC case to access the internal components.
3. **Locate a free PCIe slot:** Identify an available PCI Express slot on your motherboard.
4. **Insert the card:** Carefully insert the PCIe expansion card into the chosen PCIe slot, ensuring it is fully seated.
5. **Secure the card:** Tighten the screws to secure the card in place within the PC case.
6. **Close the computer case:** Replace the side panel of your PC case.
7. **Reconnect power:** Plug your computer back into the power outlet and turn it on.
8. **Install drivers (if necessary):**
 - For Windows 10, 11, macOS, and Linux: Drivers are typically not required and will install automatically.
 - For Windows XP, 7, and Server: Drivers may be required. Please refer to the manufacturer's website for driver downloads if automatic installation does not occur.
9. **Special consideration for narrow slots:** If the groove 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 fit.

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: Installation steps for the GOWENIC PCIe USB card.

OPERATING INSTRUCTIONS

Once installed, the GOWENIC PCIe to USB 3.2 Gen 2 Expansion Card provides additional high-speed USB ports for your computer. Here's how to use its features:

- **Connecting Devices:** You can connect various USB 3.2 compatible devices to the available ports, including keyboards, mice, external hard drives, CD/DVD drives, webcams, USB printers, scanners, game controllers, USB VR devices, and digital cameras.
- **High-Speed Data Transfer:** The card supports data transfer rates up to 10 Gbit/s per individual port. The total bandwidth is 20 Gbit/s, shared between groups of ports (one USB Type-C and three USB Type-A ports share 10 Gbit/s, and the remaining two ports share an additional 10 Gbit/s).
- **Stable Connection:** The internal PCIe slot connection ensures a stable and reliable data transfer experience, avoiding connection loss issues often associated with external USB hubs.

Installation

Turn off the computer and unplug it from the outlet,
remove the computer case

Insert the card into the PCIE slot, tighten the screws,
and close the computer case cover

Turn on the computer and install the driver

For the narrow slot area at the rear of the PC
mainframe, simply cut the bar between the two slots
with a small sheet metal hand pliers



Image: High-speed data transfer with the GOWENIC PCIe USB card.



Image: Stable and easy integration of the GOWENIC PCIe USB card.

MAINTENANCE

The GOWENIC PCIe to USB 3.2 Gen 2 Expansion Card requires minimal maintenance. Follow these guidelines to ensure optimal performance and longevity:

- **Keep it clean:** Ensure your computer case is free from excessive dust, which can accumulate on components and affect performance. Regularly clean the interior of your PC with compressed air.
- **Proper ventilation:** Ensure your computer has adequate airflow to prevent overheating, which can damage internal components, including the expansion card.
- **Handle with care:** When handling the card, avoid touching the gold contacts or sensitive components. Always hold it by the edges.
- **Software updates:** Keep your operating system and motherboard drivers updated to ensure compatibility and optimal performance with the expansion card.

TROUBLESHOOTING

If you encounter issues with your GOWENIC PCIe to USB 3.2 Gen 2 Expansion Card, refer to the following common troubleshooting steps:

- **Card not detected:**

- Ensure the card is fully seated in the PCIe slot.
- Try inserting the card into a different PCIe slot if available.
- Verify that your computer's BIOS/UEFI settings are configured to recognize PCIe devices.

- **Devices not recognized:**

- Check if the device is properly connected to the USB port on the expansion card.
- Test the device on another USB port or another computer to rule out device issues.
- Ensure that the necessary drivers for the expansion card (if applicable for your OS) are installed. Check Device Manager (Windows) or system information (macOS/Linux) for any unrecognized devices.

- **Slow transfer speeds:**

- Ensure the connected USB device supports USB 3.2 Gen 2 speeds. Older USB 2.0 or 3.0 devices will operate at their respective maximum speeds.
- Verify that your PCIe slot is operating at its full bandwidth (e.g., PCIe 3.0 x4 or higher for optimal 20Gbps).
- Avoid connecting multiple high-bandwidth devices simultaneously to the same shared 10Gbps group of ports if maximum speed is critical for each.

- **Power issues:**

- While the product description doesn't explicitly mention external power, some high-power USB devices might require additional power. Ensure your power supply unit (PSU) is sufficient for all your system components.

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation provided with your purchase or visit the official GOWENIC website. Please have your product model number (GOWENICgsngmq7oib) and purchase details ready when contacting support.

Note: Availability of spare parts is currently unavailable. Software updates are not guaranteed.