

MECCANIXITY V013 PRO

MECCANIXITY V013 PRO PCI-E 1X to 16X Graphics Card Express Extender User Manual

Model: V013 PRO

1. INTRODUCTION

The MECCANIXITY V013 PRO PCI-E 1X to 16X Graphics Card Express Extender, also known as a PCIe riser, is designed to extend the connection between a graphics card and a motherboard in a desktop computer. This device provides increased flexibility in component placement, enabling configurations such as vertical GPU mounting or accommodating larger graphics cards in compact computer cases.

This manual provides essential information for the proper installation, operation, and maintenance of your V013 PRO extender.

2. PACKAGE CONTENTS

Verify that all components are present in your package:

- 1 x PCI-E 16X Extender Board (Main Riser Board)
- 1 x PCI-E 1X Adapter Card
- 1 x USB 3.0 Extension Cable (approx. 60mm/2.36-inch)
- 1 x 6-Pin to SATA Power Cable (if included, for power supply)

1 Set(Each for 1 Pcs)



Figure 1: Components included in the MECCANIXITY V013 PRO PCI-E Riser kit. This image shows the main 16X extender board, the 1X adapter card, and the USB 3.0 cable.

3. SETUP AND INSTALLATION

Before installation, ensure your computer is powered off and disconnected from the power source. Always handle components with care to prevent electrostatic discharge (ESD).

1. **Compatibility Check:** Verify that your motherboard has an available PCI-E 1X slot and that your power supply has the necessary 6-pin power connector (or SATA power if using an adapter) for the riser board. Ensure the physical dimensions of the extender and your graphics card fit within your computer case.
2. **Connect 1X Adapter Card:** Insert the PCI-E 1X adapter card into an available PCI-E 1X slot on your motherboard. Ensure it is seated firmly.
3. **Connect USB 3.0 Cable:** Connect one end of the provided USB 3.0 extension cable to the PCI-E 1X adapter card and the other end to the main PCI-E 16X extender board.
4. **Install Graphics Card:** Carefully insert your graphics card into the PCI-E 16X slot on the extender board. Ensure it is fully seated and the locking mechanism (if present) is engaged. The design allows for easy removal and secure fixing of the graphics card.

5. **Provide Power:** Connect a 6-pin power cable from your power supply to the 6-pin power input on the PCI-E 16X extender board. If your power supply only has SATA power connectors, use the provided 6-pin to SATA power cable (if included) to connect the riser board to a SATA power connector. **Warning:** Do not connect multiple power sources to the riser board simultaneously.
6. **Secure Components:** Position and secure the graphics card and extender board within your computer case. This may involve mounting the extender board to a case fan or other secure point, depending on your case design.

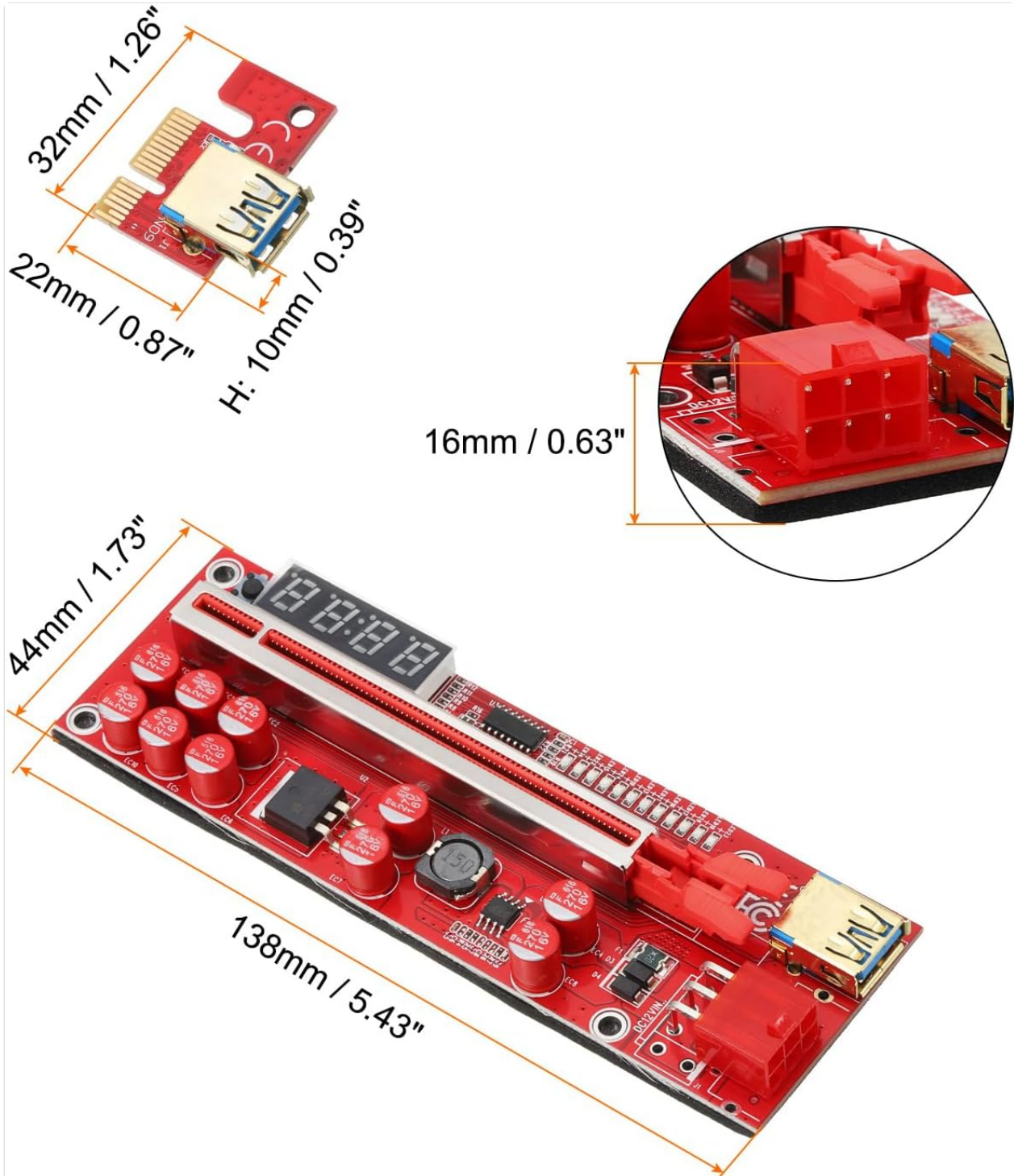


Figure 2: Detailed view of the MECCANIXITY V013 PRO PCI-E 16X extender board and 1X adapter card with key dimensions. The main board measures approximately 138 x 44 x 16mm (5.43 x 1.73 x 0.63-inch), and the adapter card measures 32 x 22 x 10mm (1.26 x 0.87 x 0.39-inch).

4. OPERATION

Once properly installed and powered, the MECCANIXITY V013 PRO extender operates passively, extending

the PCI-E connection. The graphics card connected to the riser will function as if it were directly connected to the motherboard's PCI-E 16X slot.

The V013 PRO features an LED display for temperature control. This display provides real-time temperature readings, allowing users to monitor the operating temperature of the connected graphics card or the riser itself, depending on the sensor's placement. Refer to your graphics card's software for detailed performance monitoring and fan control.

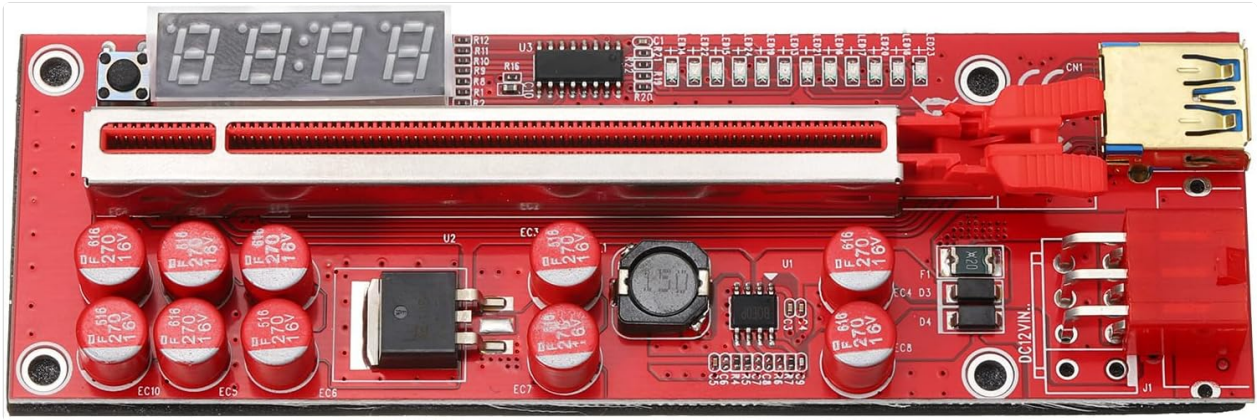


Figure 3: Close-up view of the MECCANIXITY V013 PRO PCI-E 16X extender board, highlighting the PCI-E slot, power input, USB 3.0 port, and the LED display for temperature monitoring.

5. MAINTENANCE

To ensure optimal performance and longevity of your PCI-E extender:

- **Keep Clean:** Periodically inspect the extender and connected components for dust accumulation. Use compressed air to gently clean dust from the board and connectors.
- **Ensure Airflow:** Maintain good airflow within your computer case to prevent overheating, especially for the graphics card and the riser board.
- **Check Connections:** Occasionally verify that all cables and components are securely connected.
- **Avoid Physical Stress:** Do not bend or apply excessive force to the extender board or cables.

6. TROUBLESHOOTING

If you encounter issues with your MECCANIXITY V013 PRO extender, consider the following:

- **No Display/Graphics Card Not Detected:**
 - Ensure all power cables (to the riser and graphics card) are securely connected and receiving power from the power supply.
 - Verify that the USB 3.0 cable is firmly connected to both the 1X adapter card and the 16X extender board.
 - Confirm the graphics card is fully seated in the 16X slot on the extender board.
 - Check that the 1X adapter card is properly seated in the motherboard's PCI-E 1X slot.
 - Test the graphics card by connecting it directly to the motherboard (if possible) to rule out a card issue.
 - Ensure your motherboard's BIOS/UEFI settings are configured correctly for PCI-E devices, especially if using multiple graphics cards or risers.
- **System Instability/Crashes:**

- Ensure your power supply has sufficient wattage to power all components, including the graphics card connected via the riser.
- Check for overheating. Monitor temperatures using the riser's LED display or software. Improve case airflow if necessary.
- Verify that all drivers for your graphics card are up to date.

- **LED Display Not Working:**

- Ensure the riser board is receiving power.
- Check for any physical damage to the LED display area.

If problems persist, consult the manufacturer's support resources or a qualified technician.

7. SPECIFICATIONS

Model	V013 PRO (mea230911ee001096)
Brand	MECCANIXITY
Interface	PCI-E 1X to 16X, USB 3.0
Power Supply	16A, 6-Pin Interface
Graphics Card Extender Board Dimensions (L*W*H)	138 x 44 x 16mm (5.43 x 1.73 x 0.63-inch)
Adapter Card Dimensions (L*W*H)	32 x 22 x 10mm (1.26 x 0.87 x 0.39-inch)
USB Cable Length	60mm (2.36-inch)
Features	LED Temperature Control Display
Item Weight	4.8 ounces

8. WARRANTY AND SUPPORT

Warranty information for the MECCANIXITY V013 PRO PCI-E Extender is typically provided with your purchase documentation or can be found on the official MECCANIXITY website. Please retain your proof of purchase for warranty claims.

For technical support or further inquiries, please refer to the contact information provided by your retailer or visit the MECCANIXITY brand store on Amazon: [MECCANIXITY Store](#).