

SilverStone SST-RC07B

SilverStone RC07 PCI Express 4.0 x16 Riser Card User Manual

Model: SST-RC07B

1. INTRODUCTION

The SilverStone RC07 is a high-quality PCI Express 4.0 x16 riser card designed to extend the PCI Express slot within compatible computer cases. This card enables the use of PCI Express 4.0 x16 expansion cards, such as graphics cards, in specific SilverStone chassis models, including the RVZ02 and ML08. It facilitates flexible component placement and improved airflow in compact system builds.

Package Contents

- SilverStone RC07 PCI Express 4.0 x16 Riser Card (SST-RC07B)
- Mounting hardware (if applicable, typically screws or standoffs)



Figure 1: Top view of the SilverStone RC07 PCI Express 4.0 x16 Riser Card, showing the PCIe x16 slot and the SilverStone logo.



Figure 2: Angled view of the SilverStone RC07 PCI Express 4.0 x16 Riser Card, highlighting the gold-plated contacts and mounting points.

2. SETUP AND INSTALLATION

This section provides instructions for installing the SilverStone RC07 riser card into your compatible SilverStone chassis and connecting your PCI Express expansion card.

2.1 Compatibility

The RC07 riser card is specifically designed for use with SilverStone RVZ02 and ML08 chassis. Ensure your chassis is one of these models for proper fit and function. It supports PCI Express 4.0 x16 expansion cards.

2.2 Installation Steps

1. **Prepare your system:** Power off your computer and disconnect all cables. Open your SilverStone RVZ02 or ML08 chassis according to its specific manual.
2. **Locate the PCIe slot:** Identify the designated PCI Express slot within your chassis where the riser card will be installed. This is typically a horizontal slot designed for riser card integration.
3. **Install the riser card:** Carefully align the PCI Express x16 connector of the RC07 riser card with the corresponding slot on your motherboard. Gently press down until the card is fully seated. Secure the riser card with any provided screws or retention mechanisms within the chassis.
4. **Connect the expansion card:** Insert your PCI Express 4.0 x16 expansion card (e.g., graphics card) into the slot on the RC07 riser card. Ensure it is fully seated and secured, often with a latch or screw.
5. **Close the chassis:** Once all components are securely installed, close your chassis and reconnect all cables.



Figure 3: The SilverStone RC07 riser card installed within a compatible SilverStone chassis, showing the horizontal mounting orientation.

3. OPERATION

The SilverStone RC07 is a passive component designed to extend and reorient a PCI Express slot. Once correctly installed, it functions transparently, allowing your PCI Express 4.0 x16 expansion card to operate as if directly connected to the motherboard's primary PCIe slot. No specific software or drivers are required for the riser card itself; drivers will be needed for the expansion card connected to it.

Ensure your motherboard and expansion card both support PCI Express 4.0 for optimal performance. The RC07 is backward compatible with PCIe 3.0 devices, but performance will be limited to the lower generation's specifications.

4. MAINTENANCE

The SilverStone RC07 riser card requires minimal maintenance. To ensure longevity and reliable performance:

- **Keep it clean:** Periodically inspect the card and its connectors for dust accumulation. Use compressed air to gently remove dust.

- **Avoid physical stress:** Do not bend or apply excessive force to the card or its connectors.
- **Environmental conditions:** Operate the card within standard computer operating temperatures and humidity levels. Avoid exposure to extreme temperatures or moisture.

5. TROUBLESHOOTING

If you encounter issues after installing the RC07 riser card, consider the following troubleshooting steps:

- **No display/GPU not detected:**
 - Ensure the riser card is fully seated in the motherboard's PCIe slot.
 - Ensure the expansion card (e.g., graphics card) is fully seated in the riser card's slot.
 - Verify all power cables to the expansion card are securely connected.
 - Check your motherboard's BIOS/UEFI settings. Some motherboards may require specific PCIe slot configurations (e.g., setting PCIe generation to Gen3 if Gen4 causes instability with certain older GPUs or risers, though this RC07 is Gen4 compatible).
 - Test the expansion card directly in the motherboard's PCIe slot (without the riser) to rule out issues with the card itself.
- **System instability:**
 - Ensure all components are properly secured and not loose.
 - Check for any short circuits or contact between the riser card and other metal parts of the chassis.
 - Verify your power supply unit (PSU) has sufficient wattage for all components, especially high-power graphics cards.
- **Performance issues:**
 - Confirm that your motherboard, CPU, and expansion card all support PCI Express 4.0 to achieve full Gen4 speeds. If any component is Gen3, the system will operate at Gen3 speeds.
 - Ensure the latest drivers for your expansion card are installed.

6. SPECIFICATIONS

Feature	Detail
Model Number	SST-RC07B
Interface	PCI Express 4.0 x16
Compatibility	SilverStone RVZ02, ML08 chassis
Product Dimensions	6.18 x 4.33 x 6.18 inches (15.7 x 11.0 x 15.7 cm)
Item Weight	3.31 ounces (0.09 Kilograms)
Manufacturer	SilverStone Technology

7. WARRANTY AND SUPPORT

For warranty information, technical support, or further assistance, please refer to the official SilverStone Technology website or contact their customer service department. Keep your proof of purchase for warranty claims.
Official SilverStone Website: www.silverstonetek.com

