

Add-on/Spare PCIe Card Instructions

This document describes how to remove and replace a PCIe card in a SnapServer XSR40 from Overland-Tandberg.

WARNING: To reduce the risk of electric shock or damage to equipment, always remove any power cords while working with the unit.

WARNUNG: Um das Risiko eines elektrischen Schlags oder Schäden am Gerät zu vermeiden, ziehen Sie stets den Netzstecker, bevor Sie an der Einheit arbeiten.

AVERTISSEMENT: Pour réduire le risque de choc électrique ou endommagement de l'équipement, retirez toujours les cordons électriques en travaillant avec l'appareil.

CAUTION: While working with the unit, observe standard Electrostatic Discharge (ESD) precautions to prevent damage to micro-circuitry or static-sensitive devices.



NOTE: The Spare may come without the mounting bracket. Reuse the existing bracket.

Prepare the Unit

It is **essential** that you activate your warranty. Technical and warranty support is **not available** until you are registered.

For an existing customer:

1. Go to <http://support.overlandstorage.com/> support page.
2. Enter your **e-mail address** and **password**, and press **Enter** or click the right arrow (>).
3. Click **Register New Product**.
4. Fill in the information (including serial number) and click **Submit**.

Your warranty certificate will be emailed to you. Follow the instructions in the email to complete the process.

For an existing customer, go to **Register a Product** and follow the instructions.

Existing Customer Login

New Customer Registration

* First Name	
* Last Name	Enter
* Email Address	All Fields
* Password	
* Confirm Password	

SUBMIT **CANCEL**

Power Off and Disconnect

If the unit is still running, power it down cleanly:

1. Use the Web Management Interface to shut down the server (**Maintenance > Reboot and Shutdown > Shutdown**).
2. When all the LEDs are off, disconnect the **power cords**.
3. Disconnect the remaining **cables** from the unit.



Remove the Front Bezel

1. Carefully take hold of the front bezel by the **right and left flanges** and pull straight out from the appliance until the retaining clips release.
2. Set the **bezel** aside on a secure surface.



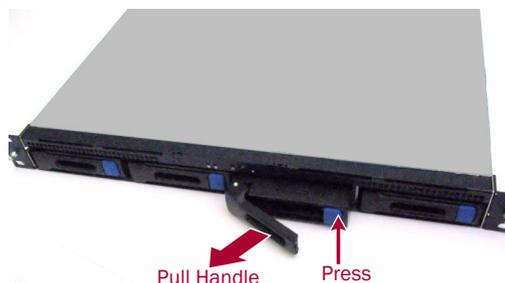
Remove the Drives

 **IMPORTANT:** Overland recommends that you remove the disk drives to reduce the unit's weight prior to removal. They must be replaced in the same drive bays when done.

Remove all the drive and blank carriers, and note from which bay each was removed.

NOTE: Do not remove the disk drives from their carriers. Doing so voids the drive warranty.

1. Press the release **button** on the right side of the carrier.
2. Using the built-in **handle**, pull the carrier out.
3. Number the **carrier** and set it on a secure surface
4. Repeat **Steps 1–3** for **all** the remaining carriers.



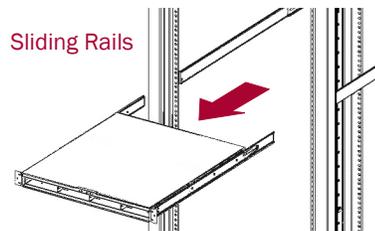
Remove Unit from Rack

 **WARNING:** It is recommended that a mechanical lifter (or at least two people) be used during rack installation or removal to prevent injury.

WARNUNG: Um Verletzungen zu vermeiden, empfehlen wir zur Rack-Installation oder -Deinstallation die Nutzung einer mechanischen Hebehilfe (oder mindestens zwei Personen).

AVERTISSEMENT: Pour éviter toute blessure il est recommandé qu'un monte-charge (ou deux personnes au moins) soit utilisé lors de l'installation ou de l'enlèvement du support.

1. Based on the mounting system, carefully remove the **appliance** from the rack as follows:
 - **Fixed brackets:** With a lifter positioned in front of the array, release the four **screws** and the **slip nuts** from the front flanges, and slide the **chassis** out onto the lifter.
 - **Sliding rails:** With a lifter positioned in front of the array, release the **screws**, release the rail locks, and slide the **chassis** out onto the lifter.
2. Move the **chassis** onto a secure surface.



Install/Replace the PCIe Card

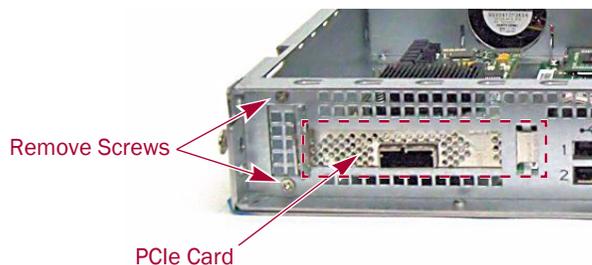
Remove the Top Panel

1. Loosen the **two captive screws** at the rear of the top panel that secure it.
2. Slide the panel toward the rear about **one-half inch** (1.25cm).
3. Lift the **panel** off and set it aside.



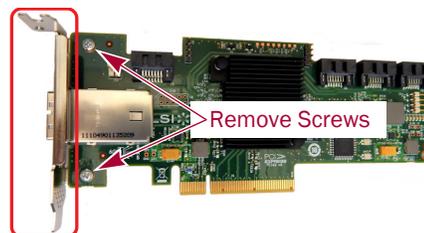
Remove the PCIe Card/Access Cover

1. Remove and retain the **two screws** securing the **locking bracket** to the PCIe slot.
2. Remove and retain the **locking bracket**.
3. Do one of the following:
 - Remove the **PCIe card** from the slot on the board and set aside on an ESD surface. Continue with [Swap the Mounting Bracket](#).
 - Remove the **Access Cover** from the rear panel opening and set it aside. Continue with [Install the PCIe Card](#).



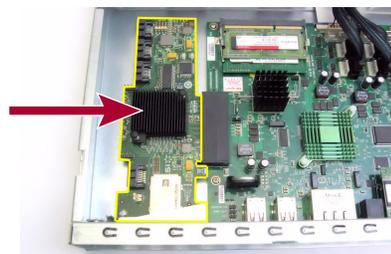
Swap the Mounting Bracket

1. Remove and retain the **two screws** securing the **mounting bracket** to the old PCIe card.
2. Remove the mounting **bracket** from the old card and position it on the new card.
3. Using the **retained screws**, secure the bracket to the new PCIe card.



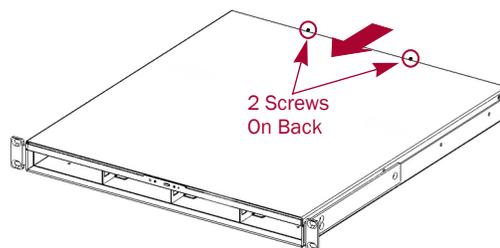
Install the PCIe Card

1. Seat the **PCIe card** in the same slot on the board with the card aligned in the rear panel opening.
2. Reinstall the **locking bracket** and, using the **retained screws**, secure the PCIe card.



Reinstall the Top Panel

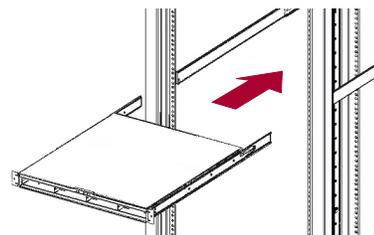
1. Position the top panel with no more than **one-half inch** (1.25cm) extending out over the rear of the unit.
2. Slide the panel **forward** until it is fully seated.
3. Using the **two captive screws** on the rear of the top panel, secure it.



Reinstall Chassis in Rack

Reinstall the Chassis

1. Using the mechanical lifter, position the **chassis** in front of the appliance's existing rack rails.
2. Based on the mounting system, carefully insert the unit into the rack and secure it:
 - **Fixed brackets:** Position the unit in the rack and use the **four retained screws**, including **slip nuts**, to secure the front flanges to the rack.
 - **Sliding rails:** Slide the side rails into the rack rails, slide the unit all the way to the rear, then secure the unit using the **screws** on the front flanges.



Reinstall the Drives

Return the drive assemblies back to their original bays.

1. Position the **drive assembly** in front of its **bay**.
2. Slide it in until the **latch** closes, locking the assembly in the bay.
3. Repeat **Steps 1–2** for **each** remaining drive assembly.

 **IMPORTANT:** To maintain proper airflow and cooling, a drive assembly or a blank carrier must be installed in every bay. No empty bays are allowed.



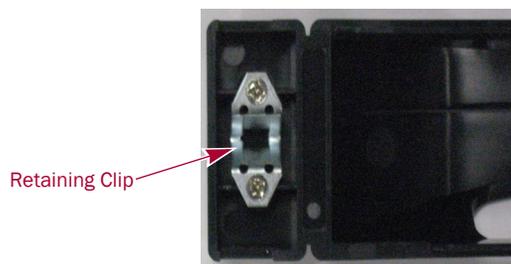
Reattach Cables and Power Cords

1. Reattach all **cables** to the same connections as before.
2. Attach the **power cord**.
3. At the front of the appliance, press the **power switch** to power it ON.



Reattach the Bezel

1. Position the **bezel** with the top and bottom edges aligned with the slots on the front of the appliance.
2. Push the **bezel** onto the unit until the retaining clips latch and the **bezel** snaps into place.
3. Verify that the bezel is **aligned** properly and that all the LEDs are visible.



Return Old Parts to Overland

1. Place any **old parts** in the anti-static bag and put them in the replacements' box.
2. Use the existing **packing materials** to secure them in the box.
3. Use an RMA to return the parts to **Overland-Tandberg**.
For return shipping details and RMA number, go to: <http://docs.overlandstorage.com/return-instructions>

