

Add-on/Spare PCIe Card Instructions

This document describes how to add a PCIe card to or replace an existing PCIe card in an Overland-Tandberg SnapServer DX1.

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.

Register a New PCIe Card

NOTE: If you are only replacing an existing PCIe card, skip ahead to the next section, "Prepare the Unit."

It is **essential** that the product be registered because technical and warranty support is **not available** until then.

For an existing customer:

1. Go to <http://support.overlandstorage.com/> support page.
2. Enter your **e-mail address** and **password**, and then press **Enter** or click the right arrow (>).
3. At the Support Home page, click **Register New**.
4. Enter the requested information and click **Submit**.

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

For a new customer, go to the **New User Registration** page and follow the instructions.

Existing User Login

New User Registration

* First Name _____
 * Last Name _____
 * Email Address _____
 * Password _____
 * Confirm Password _____

Enter
All Fields

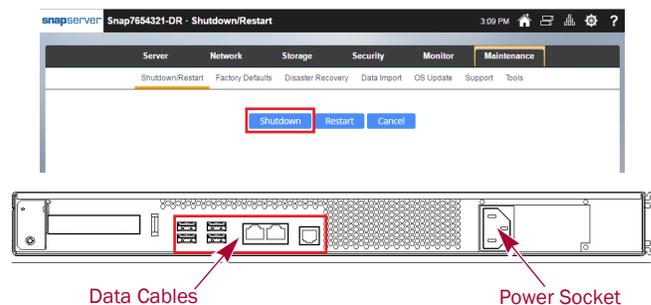
SUBMIT CANCEL

Prepare the Unit

Power Off and Disconnect

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

1. Use the Web Management Interface to power off the unit (**Maintenance > Shutdown/Restart > Shutdown**).
2. When all the LEDs are off, disconnect the **power cords**.
3. Disconnect the remaining **cables** from the unit, noting their locations.



Remove the Front Bezel

1. Carefully take hold of the **front bezel** and pull it straight out from the appliance until it releases.
2. Set the bezel aside on a **secure surface**.



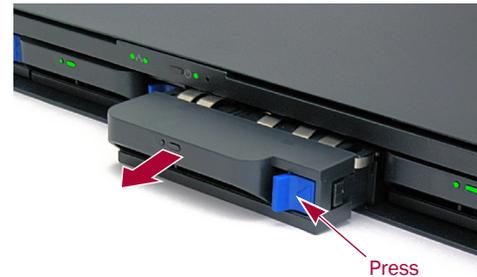
Remove the Drives

 **IMPORTANT:** Overland recommends that you remove all the drives to reduce the unit's weight prior to rack removal.

1. Press the release **button** on the right side of the carrier.
2. Using the built-in **handle**, pull the carrier out.

Repeat this procedure for **all** the remaining carriers.

NOTE: Do not remove the drives from their carriers as doing so voids the drive warranty.



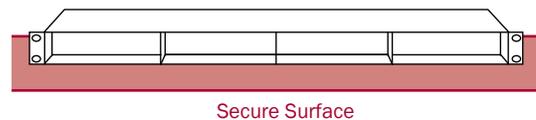
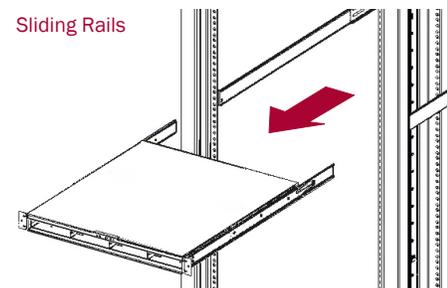
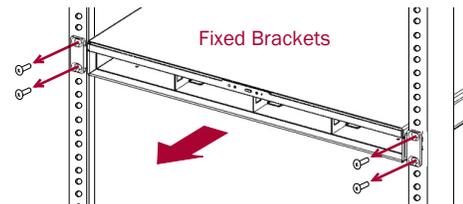
Remove the Chassis from the Rack

 **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.

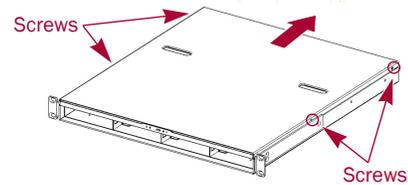
1. Based on the mounting system, with a **lifter** positioned in front of the chassis, carefully remove the **chassis** from the rack as follows:
 - **Fixed brackets** – Remove and retain the four **screws** with **slip nuts** from the brackets, and slide the **chassis** out onto the lifter.
 - **Sliding rails** – Release the front flange **captive screws**, slide the **chassis** out until it stops, release the rail **locks**, and slide the **chassis** onto the lifter.
2. Move the chassis onto a **secure surface**.



Install/Replace the PCIe Card

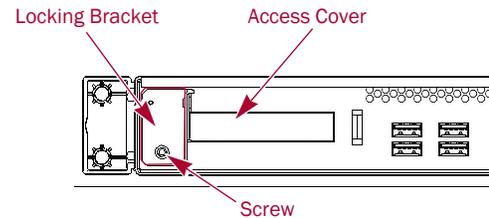
Remove the Top Panel

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



Install or Replace the PCIe Card

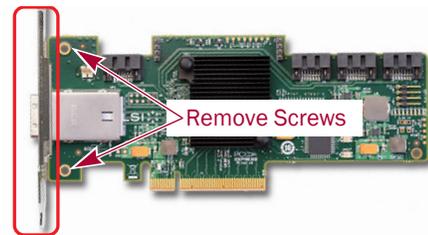
1. At the rear, remove and retain the **screws** securing the rear access cover **locking bracket**.
2. Remove and retain the **locking bracket**.
3. Do **one** of the following:
 - Remove the card from the **motherboard slot** and set it aside on an ESD surface. Continue with [Swap the Mounting Bracket](#).
 - Remove the rear panel **access cover** and set it aside. Continue with [Install the PCIe Card](#).



Swap the Mounting Bracket

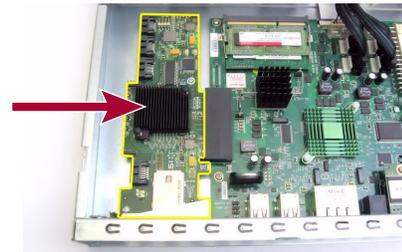
If the spare did not come with a mounting bracket:

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



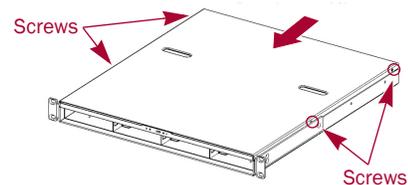
Install the PCIe Card

1. Seat the card in the same **motherboard slot** with the card bracket inserted in the rear bracket slot.
2. Reinstall the **locking bracket**.
3. Using the **retained screws**, secure the locking bracket.



Reinstall the Top Cover

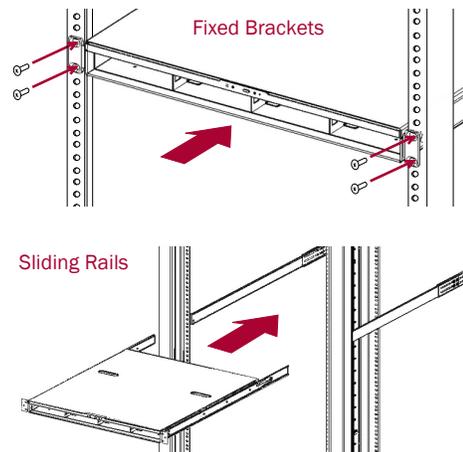
1. Align the top panel over the unit with no more than **one-half inch** (1.25cm) extending out over the rear of the unit, and press it down onto the unit.
The front edge should be on the silver lip of the front.
2. Slide the panel **forward** until it is fully seated.
3. Using the **four retained screws**, secure the panel.



Reinstall the Chassis in the Rack

Remount the Chassis

1. Using the mechanical lifter, position the **chassis** in front of the rack.
2. Reinstall it based on its **mounting system**:
 - **Fixed brackets** – Move the **chassis** into the same location and, using the four retained **screws with slip nuts**, secure the **brackets** to the rack.
 - **Sliding rails** – Slide the chassis **side rails** into the rack rails, push the **chassis** all the way to the rear, and secure it using the front flange **captive screws**.



Reinstall the Carriers

1. Position the **drive carrier** in front of a drive bay.
2. Push the carrier in until the **latch** closes, locking the carrier in the drive bay.

Repeat the procedure for **each** remaining drive carrier.



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



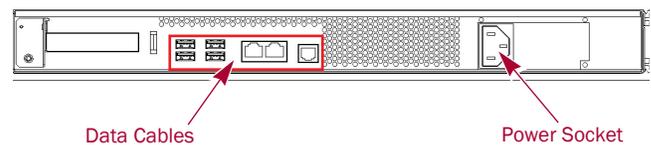
Reattach the Bezel

1. Position the **bezel** with the top aligned with the top edge of the chassis front.
2. Push the **bezel** onto the unit until it snaps into place.
3. Verify that the bezel is **aligned** properly and that all the LEDs are visible.



Reattach the Cables and Power Cord

1. Reattach **all the cables** (not including the power cord) to the same chassis connections previously used.
2. Next, attach the **power cord**.
3. At the front, press the **power switch** to power it on.



Return the Replaced Part to Overland

1. Put the **replaced part** in the anti-static bag and place it in the box the part came in.
2. Use an RMA to return the part to **Overland Storage**.
For an RMA number and return shipping details, go to:
<http://docs.overlandstorage.com/return-instructions>

