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 DX2.

⚠ **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

Prepare the Unit

Power Off and Disconnect
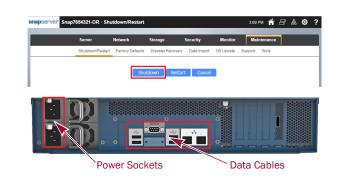
If the unit is still running, power it down cleanly:

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.

Power Sockets   Data Cables

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).
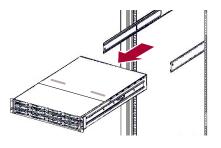
AVERTISSEMENT: Pour éviter toute blessure il est recommande qu'un monte-charge (ou deux personnes au moins) soit utilisé lors de l'installation ou de l'enlèvement du support.
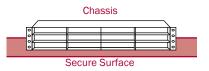
1. Release the **two captive screws** on the lower left and lower right of the front flanges.
2. Slide the **chassis** out until it stops.
3. With a lifter positioned in front of the chassis, release the **rail locks** and slide the chassis onto the lifter.
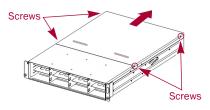4. Move the chassis onto a **secure surface**.

Install/Replace the PCIe Card

Remove the Rear Top Panel

1. Remove and retain the **four screws** on the sides holding the rear top panel.
2. Using the panel depressions, slide the panel rearward about **one-half inch** (1.25cm).
3. Lift the **rear top panel** off and set it aside.

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Replace the PCIe Card

NOTE: If installing an additional PCIe card, go to "Install a New PCIe Card."

1. At the rear (on top of the chassis wall), release and lift the **bracket lock** holding the cards in place.

2. Grasp the existing **PCIe card** and carefully pull it straight up and out of the slot, then set it aside.

3. Insert the **new** PCIe **card** into the same slot, positioning the card bracket in the rear bracket slot.

4. Fold down and press the **bracket lock** until it clicks into place.

Continue with "Reinstall the Rear Top Panel."

Bracket Lock

Install a New PCIe Card

Install the new PCIe card in the next available PCIe slot on the motherboard.

1. At the rear (on top of the chassis wall), release and lift the **bracket lock** holding the cards in place.

2. Insert the **new PCIe card** into the next empty slot on the motherboard, positioning the card bracket in the rear bracket slot.

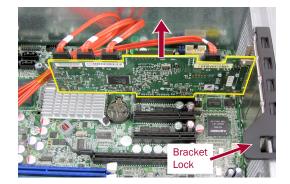3. Fold down and press the **bracket lock** until it clicks into place.
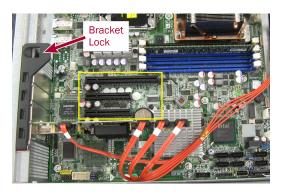

Bracket Lock

Reinstall the Rear Top Panel

1. Position the rear top panel on the chassis 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.

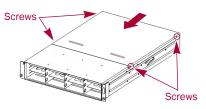3. Using the **four retained screws**, secure the panel.
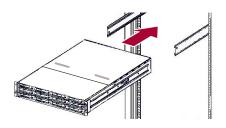

Screws

Screws

Reinstall the Chassis in the Rack

Remount the Chassis

1. Pull the **middle** rack rails out of the rack.

2. Using the mechanical lifter, position the **chassis** in front of the rack rails.

3. Slide the chassis side rails into the rack rails, and push the **chassis** all the way to the rear.

4. Secure the chassis using the **two captive screws** on the front flanges.

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 tabs aligned <u>inside</u> the top and bottom edges of the chassis.

2. Push the **bezel** onto the unit until it snaps into place.

3. Verify that the bezel is **aligned** properly with all the LEDs visible and the Power Panel on the right side in line with the hole on the bezel flange.
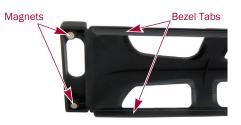
Magnets   Bezel Tabs

Reattach the Cables and Power Cords

1. Reattach **all the cables** (not including the power cords) to the same chassis connections previously used.

2. Next, attach the **power cords**.

3. At the front, press the **power switch** to power it on.

Power Sockets   Data Cables

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**.

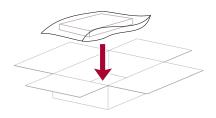   For an RMA number and return shipping details, go to: http://docs.overlandstorage.com/return-instructions