

Add-on/Spare 10GbE Card Instructions

This document describes how to either add a new, or remove and replace an existing, 10Gb Ethernet card in a NEO Agility 48 appliance from Overland Storage.

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

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 appliance, observe standard Electrostatic Discharge (ESD) precautions to prevent damage to micro-circuitry or static-sensitive devices.

Prepare the Appliance

Power Appliance Off

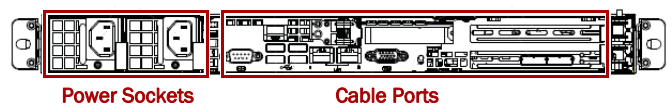
CAUTION: To prevent data corruption and loss, verify that all processes are inactive and idle before shutting down the NEO Agility appliance.

- Using either console or remote desktop, log into the appliance as an **administrator**.
- Verify that all host processes are **idle**.
- From the **Agility Management Console**, verify that all queued tape write operations have completed.
Review the last entries in the **Diagnostics > System log** for the Flush Cache > SUCCEEDED events for all tape drives.
- Right-click the Windows logo in the lower-left corner and select **Shutdown** or **sign out > Shutdown**.
- When all the LEDs are off, disconnect the **power cords** from their sockets.
- Disconnect the remaining **cables** from the unit ports, noting their locations.

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13:00:57.355 Drive 0/1 Write Mark at partition 2 block 4
13:01:13.069 Drive 0/0 Write Mark at partition 2 block 4
13:01:50.611 Drive 0/1 System Log 52678mS
13:01:50.681 Drive 0/1 Write Mark at partition 2 block 4 SUCCEEDED
13:01:51.058 Drive 0/1 Write 16 blocks at partition 2 block 5
13:01:51.368 Drive 0/1 Write -> SUCCEEDED [310mS; 24793KB/sec]
13:01:51.368 Drive 0/1 Write Mark at partition 2 block 21
13:01:51.373 Drive 0/1 Write Mark -> SUCCEEDED
13:01:51.373 Drive 0/1 Flush Cache
13:02:00.396 Drive 0/1 Flush Cache -> SUCCEEDED [9022mS]
13:02:48.783 Drive 0/0 [Write Mark]:seek took 95714mS
13:02:48.854 Drive 0/0 Write Mark -> SUCCEEDED
13:02:49.248 Drive 0/0 Write 16 blocks at partition 2 block 5
13:02:49.571 Drive 0/0 Write -> SUCCEEDED [323mS; 25170KB/sec]
13:02:49.572 Drive 0/0 Write Mark at partition 2 block 21
13:02:49.577 Drive 0/0 Write Mark -> SUCCEEDED
13:02:49.577 Drive 0/0 Flush Cache
13:02:58.581 Drive 0/0 Flush Cache -> SUCCEEDED [9004mS]

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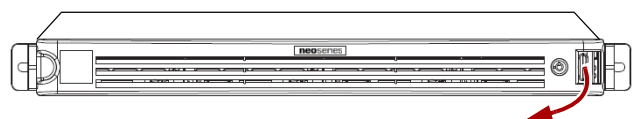


Power Sockets

Cable Ports

Remove the Bezel

- If needed, use the **supplied key** to unlock the bezel.
- Press in the **latch** on the right to release the bezel.
- Carefully swing the **bezel** out, remove it from the appliance, and set it aside.



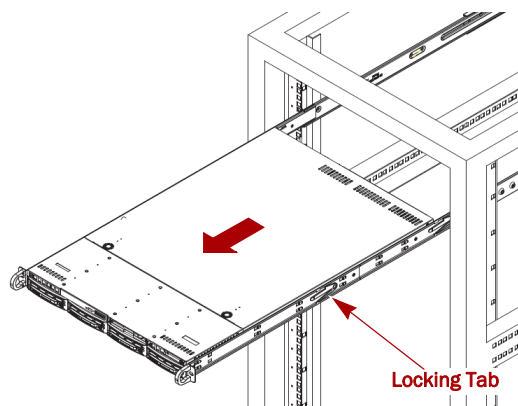
Remove Unit from Rack

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).

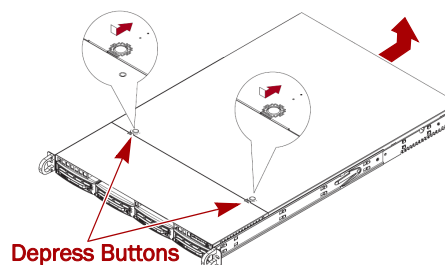
AVERTISSEMENT: Pour éviter toute blessure il est recommandé qu'un monte-charge (ou deux personnes au moins) soit utilisé lors de l'installation ou de l'enlèvement du support.

1. Remove and retain the **two screws** on the front flanges that secure the appliance to the rack.
2. With a lifter positioned in front of the appliance, fully extend the rails to slide the **chassis** out onto the lifter.
3. Depress the **rail locking tabs** on each side to release the appliance and place it onto the lifter.
4. Move the appliance to a **secure surface**.



Remove Top Panel

1. With the appliance on a secure surface, press down the **two buttons** on the top panel.
2. While continuing to depress the two top buttons, **slide the top panel** toward the rear and lift it off.
Only about **one-half inch** (1.25cm) movement is required for removal.

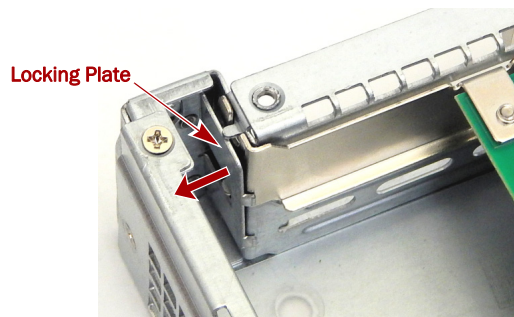
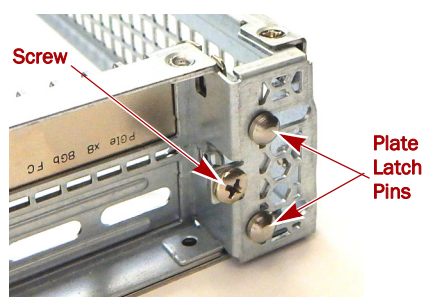


Replace 10GbE Card

NOTE: If you are only installing a new 10Gb Ethernet card, go to “Install a New 10GbE Card.”

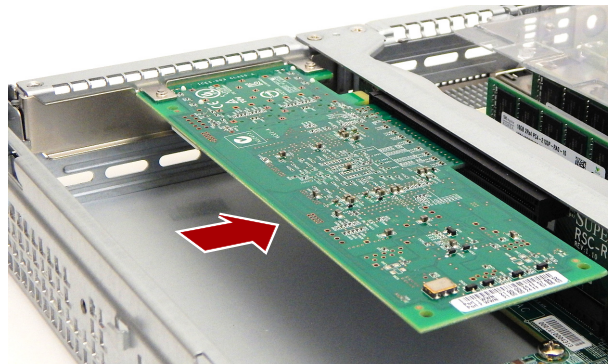
1. At the rear right, remove and retain the **card locking plate screw** from the optional PCIe cards area.
2. Slide the **card locking plate** toward the outside until the pins are as far over as they can go.
3. Grasp the old **10GbE card** firmly with both hands and pull it straight out of its slot.
4. Set the card aside on an secure **ESD-safe surface** for return to Overland Storage.
5. Insert the **new 10GbE card** into the same slot and seat it properly.
Verify the bracket is correctly positioned.
6. Slide the **card locking plate** all the way toward the bracket top to secure it.
7. Using the **retained screw**, secure the locking plate.

Continue with “[Complete the Replacement.](#)”



Install a New 10GbE Card

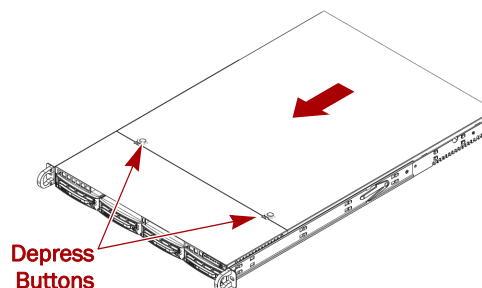
1. At the rear right, remove and retain the **slot locking plate screw** from the optional PCIe cards area. Refer to the graphics in [“Replace 10GbE Card.”](#)
2. Slide the **card locking plate** toward the outside until the pins are as far over as they can go.
3. Insert the **new 10GbE card** into the empty slot and seat it properly.
Verify the bracket is correctly positioned.
4. Slide the **card locking plate** all the way toward the bracket top to secure both cards.
5. Using the **retained screw**, secure the locking plate.



Complete the Replacement

Reinstall Top Panel

1. Align the top panel over the appliance with no more than **one-half inch** (1.25cm) extending out over the rear and gently press it down onto the Agility 48.
2. Slide the panel **forward** into position.
3. Press and release the **two top panel buttons** to ensure the panel is securely seated.

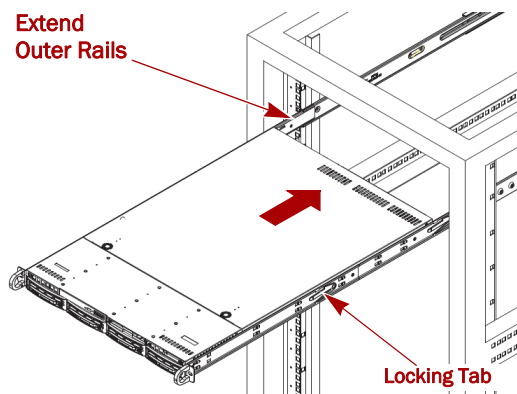


Reinstall Appliance in Rack

1. Fully extend the **outer rails** from the rack to the front.
2. Using the mechanical lifter, position the **appliance** in front of the rack, aligning the **inner rails** with the rack **outer rails**.
3. Slide the chassis into the rail racks, keeping the pressure even on both sides, until the **locking tabs** click into place.

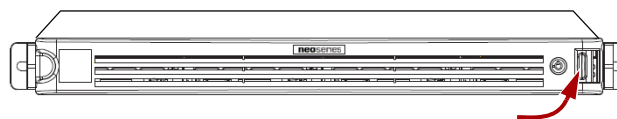
NOTE: You may need to depress the locking tabs when reinstalling the appliance to ensure they are securely seated.

4. Reinstall the retained **two screws** in the front appliance flanges to secure the appliance to the rack.



Attach the Bezel

1. Holding the bezel level horizontally and at a 45° angle to the front, insert the **left bezel tabs** into the left flange.
2. Pressing in the release latch on the right, swing the **bezel** into place on the right, and let go the latch to secure it.
3. If needed, **lock** the bezel using the supplied key.

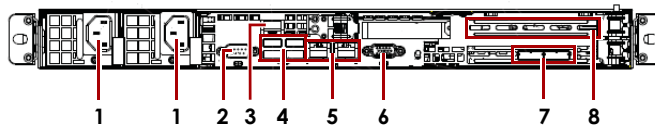


Reconnect Cables and Power On

1. Reconnect **fibre channel (FC) or SAS cables** from the FC/SAS ports on the NEO library tape drives to the NEO Agility 48 appliance.

NOTE: For FC environments, the interconnect may be from an FC switch.

2. Reconnect the **network cables** to the Ethernet ports.
3. If required for **console connection**, reattach a video monitor cable to the VGA port and keyboard/mouse cable to a USB port.
4. If needed, use the **IPMI port** for hardware monitoring.
5. Reattach both **power cords** to the AC power sockets on the appliance.
6. Plug the **power cords** into a UPS appliance or a properly grounded AC power source.
7. Press the **power switch** to power the appliance back ON.



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|-----------------------|-------------------------|
| 1 - AC Power | 5 - 1GbE Port (2) |
| 2 - VGA Port | 6 - Serial Port |
| 3 - IPMI Port | 7 - FC or SAS Ports (2) |
| 4 - USB 3.0 Ports (4) | 8 - Optional card |

Return Old Parts to Overland

1. Place the **old part** in the anti-static bag and put it in the replacement part's box.
2. Use the existing **packing material** to secure it in the box.
3. Use an RMA to return the part to **Overland Storage**.

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

