Quick Start Guide

Sphere3D · **Overland storage**

NEO Agility LTFS Appliance
Fibre Channel (FC) and
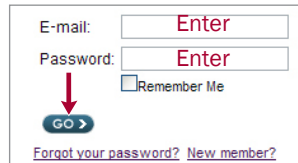Serial Attached SCSI (SAS)

10400740-004

NEO Agility 24/48

NEO Agility 80/160

Step 1

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

1. Go to http://www.overlandstorage.com/ and select **Service & Support > My Products**.
2. At the Site Login, enter your **e-mail address** and **password**, and click **GO**.
3. Click **Register New Product**.
4. Fill in the information (including serial number) and click **Submit**.

NOTE: You'll receive a confirmation email from Overland with instructions on how to complete the registration process.

E-mail: Enter
Password: Enter
☐ Remember Me
GO ▸
Forgot your password? New member?

Step 2

⚠ 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.

Any optional internal components, such as expansion cards, need to be installed before continuing. Refer to the installation instructions and warnings that are packaged with those components.
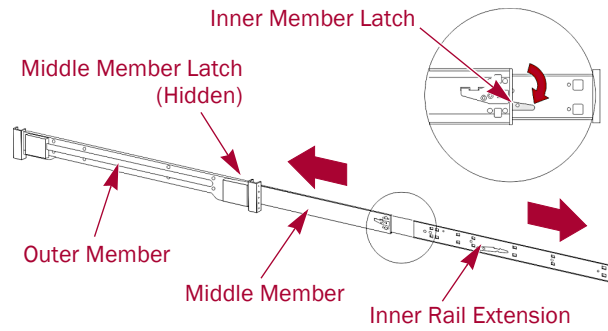
Step 3

The NEO Agility LTFS appliance comes with a sliding rail rack kit for easy installation into a 19-inch (EIA-310) rack. While the inner rails are pre-attached to the chassis, the inner rail extension must be connected to mount the chassis in a rack.
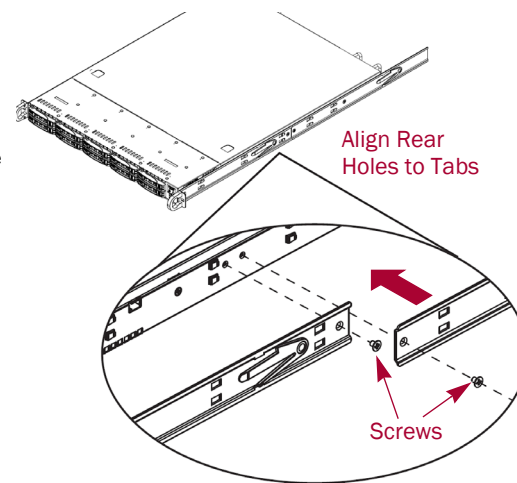
The rails are not universal, and must be mounted on the appropriate side (left or right as determined when facing the front of the unit and rack).

Attach Inner Rail Extensions to Chassis

1. Fully extend the right rack rail, push the latch on the inner member down, and remove the **inner rail extension**. Release and slide the middle member back in.

Inner Member Latch
Middle Member Latch (Hidden)
Outer Member
Middle Member
Inner Rail Extension

2. Repeat Step 1 to remove the **left** inner rail extension.
3. Attach the **right** inner rail extension to the appliance:
   a. Position the extension with the appliance **locking tabs** going through the extension holes.
   b. Slide the extension toward the **front** to lock it.
   c. Secure the extension with **two screws**.
4. Repeat Step 3 to install the **left** inner rail extension.

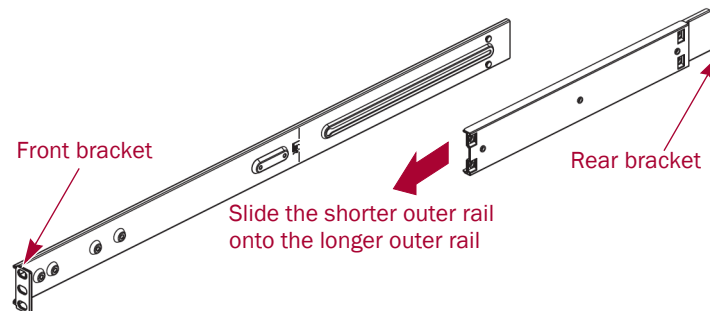
Align Rear Holes to Tabs
Screws

Attach Outer Rails to Rack

1. Mark the **screw holes** on the rack where the sliding rails will be installed.

   NOTE: Be sure the rear holes are horizontally in line with the front holes to assure the appliance remains level.

2. Attach the **shorter right** outer rail to the outside of the **longer right** outer rail so both bracket ends face the same direction, aligning the pins with the slides.

Front bracket
Slide the shorter outer rail onto the longer outer rail
Rear bracket

3. Adjust the length of the **rail assembly** until the rail fits snugly into the rack.
4. Secure the rail using **two screws** for the **front bracket** and **one screw** for the **rear bracket**.
5. Repeat Steps 1–4 for the **left** other rail.

Install the NEO Agility LTFS Appliance in Rack

⚠ WARNING: It is recommended that a mechanical lifter (or at least two people) be used to raise and align the unit to prevent injury during installation. Use care when inserting or removing a unit into or out of a rack to prevent the accidental tipping of the rack, causing damage or personal injury.
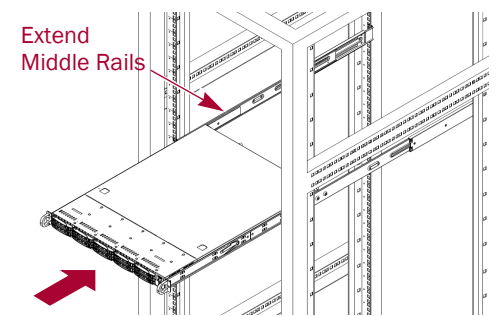
WARNUNG: Um Verletzungen zu vermeiden, empfehlen wir zur Rack-Installation oder -Deinstallation die Nutzung einer mechanischen Hebehilfe (oder mindestens zwei Personen).

AVERTISSEMENT: Afin d'éviter des blessures pendant l'installation, il est recommande d'utiliser un monte-charge (ou au moins deux personnes) pour élever ou aligner l'appareil. Faites attention lorsque vous insérez ou retirez l'appareil d'un support, pour empêcher le déversement accidentel de la crémaillère causant des dommages et des blessures.

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

NOTE: The NEO Agility LTFS appliance comes with all drive and blank carriers installed. Do not remove the disk drives from their carriers. Doing so voids the drive warranty.

1. Fully extend the **middle rails** from the rack to the front.
2. Using the mechanical lifter, position the **appliance** in front of the rack, aligning the appliance's **inner rails** with the **middle rails** on the rack.
3. Slide the **chassis rails** into the rail racks, keeping the pressure even on both sides, until you hear the **locking tabs** click into place.
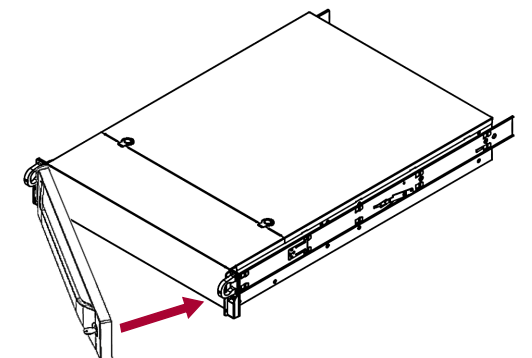
   NOTE: You may need to depress the locking tabs when installing the appliance.

4. After the appliance is secured in the rack, verify all **drives** are secure in their bays and have not become unseated.

Extend Middle Rails

Step 4

Attach the Bezel

1. Insert the bezel tabs into the **flanges** on the left.
2. Snap the **bezel** into place on the right.

   The **latch** will click into place.
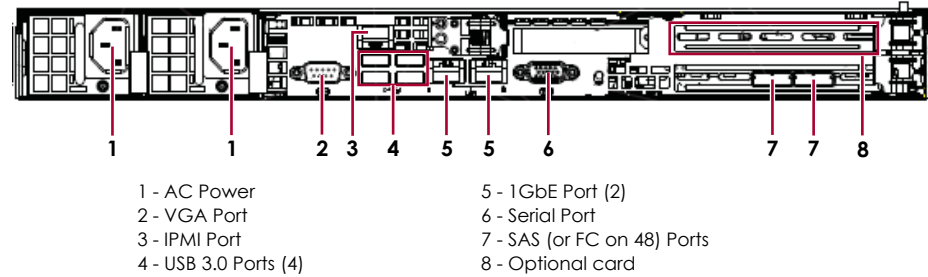3. If needed, lock the bezel using the supplied **key**.
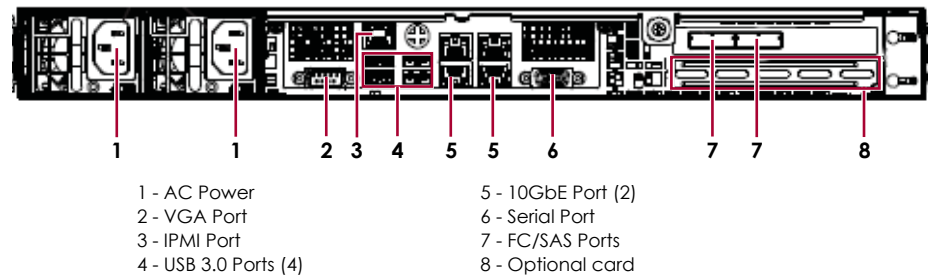
Step 5

Cable Attachment

> **IMPORTANT:** The speed/duplex setting of Ethernet ports defaults to autonegotiate. The networking switches or hubs used must also be configured to autonegotiate; otherwise, network throughput or connectivity to the NEO Agility LTFS appliance may be seriously impacted.

NOTE: The NEO Agility 24 is only available as a SAS configuration. The other appliances support either SAS or FC, depending on the configuration purchased.

NEO Agility 24/48

1 - AC Power	5 - 1GbE Port (2)
2 - VGA Port	6 - Serial Port
3 - IPMI Port	7 - SAS (or FC on 48) Ports
4 - USB 3.0 Ports (4)	8 - Optional card

NEO Agility 80/160

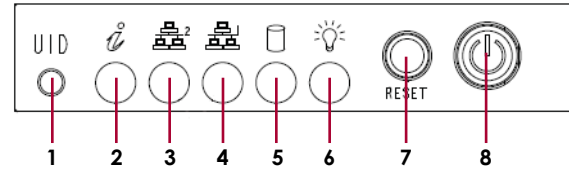| 1 - AC Power | 5 - 10GbE Port (2) |
2 - VGA Port	6 - Serial Port
3 - IPMI Port	7 - FC/SAS Ports
4 - USB 3.0 Ports (4)	8 - Optional card

1. Connect **either the fibre channel (FC) cables or the SAS cable** from the FC/SAS ports on the NEO Agility LTFS appliance to the tape drives in the associated NEO tape drive library. For FC environments, interconnect may be to an FC switch.

   NOTE: For a NEO Agility SAS appliance, use the 1-to-4 SAS cable provided.

2. Connect the **network cables** to the Ethernet ports.

3. If required for console connection, attach a video monitor cable to the VGA port and **keyboard/mouse cable** to a USB port.

4. If needed for hardware monitoring (IPMI), use the **IPMI port**.

5. Attach both power cords to the **AC power sockets** on the server.

6. Plug the **power cords** into a UPS appliance or a properly grounded AC power source.

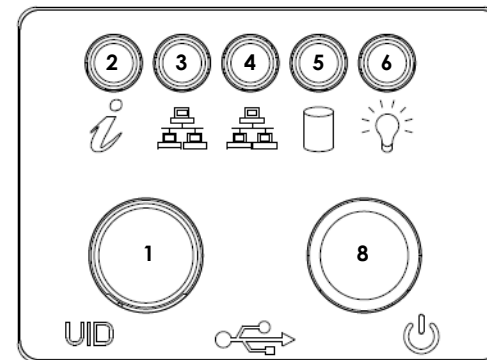7. Briefly press the front **power switch** to power on the unit.

---

8. Check the front **Control Panel indicators** to confirm network connections:

NEO Agility 24/48

NEO Agility 80/160

1 - Unit Identifier Button
2 - Information LED
3 - LAN2 LED
4 - LAN1 LED
5 - Activity LED
6 - Power LED
7 - Reset Button
8 - Power Button

Step 6

Connect for the First Time

NOTE: NEO Agility LTFS appliances are configured from the factory to acquire an IP address from a DHCP server. If no DHCP server is available on your network, you will need to connect a monitor and keyboard/mouse to the appliance and set a static IP address. The NEO Agility LTFS appliance runs an optimized version of Microsoft Windows Server 2012R2, so standard Windows network configuration can be used.

1. Connect to the **NEO Agility LTFS appliance** using a Remote Desktop Connection or an attached monitor and keyboard/mouse setup.

   The default login credentials are:

   User Name: `ltfsadmin`

   Password: `Ltfs-admin` (case-sensitive)

2. Launch the NEO Agility Configuration application by navigating to **Applications** from the **Start** screen.

3. After launching the NEO Agility Configuration application, the **Archive Management Console** will display.

   Online help is available from the **Archive Management Console**.

Step 7

Administrator Guide

For detailed information on configuration and daily use of your NEO Agility LTFS appliance, refer to the *NEO Agility LTFS Administrator's Guide*. It is **available online** at:

> https://community.sphere3d.com

Select the NEO Series "book" to access files for libraries.

Warranty and Technical Support

For warranty and technical support information, see our Contact Us web page:

> http://www.overlandstorage.com/company/contact-us/index.aspx

For information on contacting Overland Technical Support, visit our Contact Support web page at http://docs.overlandstorage.com/support